MediTutor v.5 Rehabilitation Software

USER'S MANUAL

March 2012

Revision History

Author	Release No.	Date	Revision Description
Eitan Gluzman	MediTutor v.5.30	19/03/2012	User's Manual Template and Checklist
Eitan Gluzman	MediTutor v.5.30	20/03/2012	Add sub topic: MediTutor Toolbar
Eitan Gluzman	MediTutor v.5.30	20/03/2012	Add sub topic: Fruit Shop to treatmnet list

USER'S MANUAL

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GENERAL INFORMATION

Introduction

The MediTutor™ is a novel system designed to evaluate and rehabilitate sensory, motor and cognitive hand impairments. The system is composed of an ergonomic patient worn glove and the MediTutor™ support software. The MediTutor™ is sophisticated rehabilitation software allowing for both patient hand function evaluation and treatment of patient hand impairments. The result of using the MediTutor™ system is an improvement in limb function.
Therapists including Occupational Therapists and Physical Therapists use the MediTutor™ system as a major tool in their rehabilitation program. The therapist can evaluate the following clinical hand features:

- Passive Range of Motion
- Active Range of Motion
- Velocity of finger movements
- Characterization of quality of the movement, such as tremor or smoothness
- Fine motor skills

The information gained in the evaluation stage can be used to quantify patient performance, Determine therapy goals and monitor patient progress.

Clinical Concept

[TBD]

Indications and Contraindications

The MediTutor™ system is used to evaluate and treat hand dysfunction that result from the causes listed below. The MediTutor™ system is safe and non-invasive.

Indications

1- Neurological Conditions i.e. Stroke
2- Multiple Sclerosis (MS)
3- Traumatic Brain Injury (TBI)
4- Orthopedic injures i.e. Hand Fractures
5- Movement Disorders i.e. Parkinson's disease
6- Complex Regional Pain Syndrome (CRPS)
7- Hand Burns
8- Hand Operations i.e. Tendon Transfer Surgery
9- Children with Cerebral Palsy
10- Children with Developmental Coordination Disorders
11- Academic Rehabilitation Researches

Contraindications

Do not use the MediTutor™ system without consultation with your doctor in the following cases:

1- Patient has an open wound
2- Patient has a skin infection
3- Patient has a skin disease on the treated hand
4- The patient should stop using the device if they show signs of scratching or bloom in the treated area. This occurrence is very rare.

Side Effects

Use of the MediTutor™ system does not lead to any unwanted side effects.
In the very unlikely event of skin irritations stop treatment and consult with your doctor.

Warranty

1. The company is responsible for any manufacturing defect in the MediTutor™ or any damage to the device caused by improper packing and shipping.
2. Warranty extends to all device components and the MediTutor™ software.
3. Warranty period is valid for a period of one year following device delivery.

Make sure all of the following contents are included:

- An ergonomic patient worn device
- MediTutor™ software

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PO Box. 8306

Tel: (972)-9-8637477

Fax: (972)-9-8852935

Our web site: www.MediTouch.co.il

Information: info@MediTouch.co.il

Coordination

For remote support the client need to download and install Team viewer and supply ID number and password.

Help Desk

For Technical and clinical support, please call +972-9-8637477 or email your question.

to info@MediTouch.co.il .Our website is: www.MediTouch.co.il

MEDITUTOR SUMMERY

System Configuration

MediTutor™ is network based software allowing the data base to be shared among many clients. This means that the MediTutor™ has both server software and client software packages. Once installed at the clinic the software is managed within the organization and not monitored from outside the organization. The organization should nominate a system administrator to undertake software maintenance and support. Note, the organization should define a Database back up procedure for all server data.

MediTutor Home configuration

Description

MediTutor ™ home edition operates on a single workstation or a laptop with no use of network resources.

Target customer(s)

Clinician workstation, Marketing presentations and Single user

Configuration

Clients with no Database access, treatments only.

Computer requirements

OS – Windows 2000 32 bit, Windows XP-SP2 32bit or Windows 7 32 / 64 bit

CPU – Intel Pentium 4, AMD, 1.7 GHz or above

Video card – Support OpenGL 2.1, 128Mb of RAM, Minimum screen resolution 600x800

USB – Two available USB channels

MediTutor Standalone configuration

Description

MediTutor ™ standalone edition operates on a single workstation or a laptop with no use of network resources.

Target customer(s)

A user that performs an evaluation and treatment sessions on a desktop\laptop

Configuration

Clients with Database access, evaluations, reports and treatments.

Computer requirements

OS – Windows 2000 32 bit, Windows XP-SP2 32bit or Windows 7 32 / 64 bit

CPU – Intel Pentium 4, AMD, 1.7 GHz or above

Video card – OpenGL 2.1, 128Mb of RAM, Minimum screen resolution 600x800

USB – Two available USB channels

MediTutor Professional configuration

Description

MediTutor ™ is network based software where one database shared among many workstations.

MediTutor ™ supports the operation of clinician workstation, user management, database and license

service on separate machines.

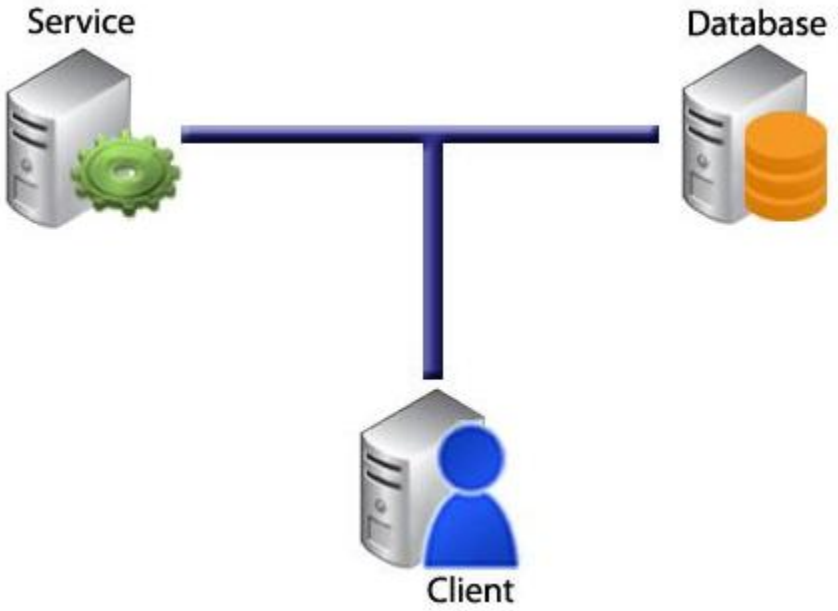
Target customer(s)

Small scale clinics which intends to share MediTutor database in network.

Configurations

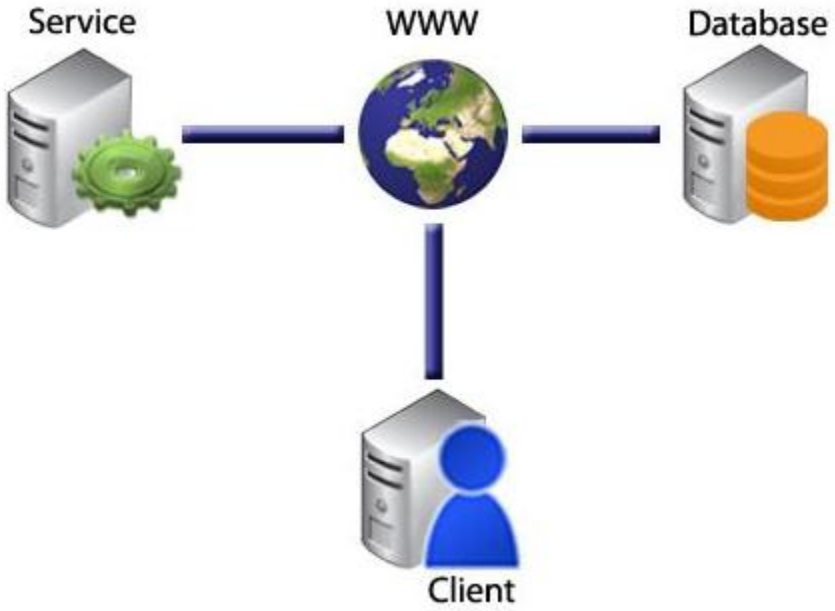
1. **Network Configuration 1**

2. **Network Configuration 2**



3. **Network Configuration 3**

4. **Network Configuration 4**



Computer requirements

Client Terminal

- OS – Windows 2000 32 bit, Windows XP-SP2 32bit or Windows 7 32 / 64 bit
- CPU – Intel Pentium 4, AMD, 1.7 GHz or above
- Video card –Support OpenGL support, minimum of 128Mb of RAM, Minimum screen resolution 600x800
- USB port – Two USB channels
- Network card – 10/100

Database Server

- OS – Windows XP-SP2 32 bit, Windows Server 2003 32 bit or Windows Server 2008 64 bit
- DB – MS-SQL Server

- Network card – 10/100

MediTutor Enterprise configuration

Description

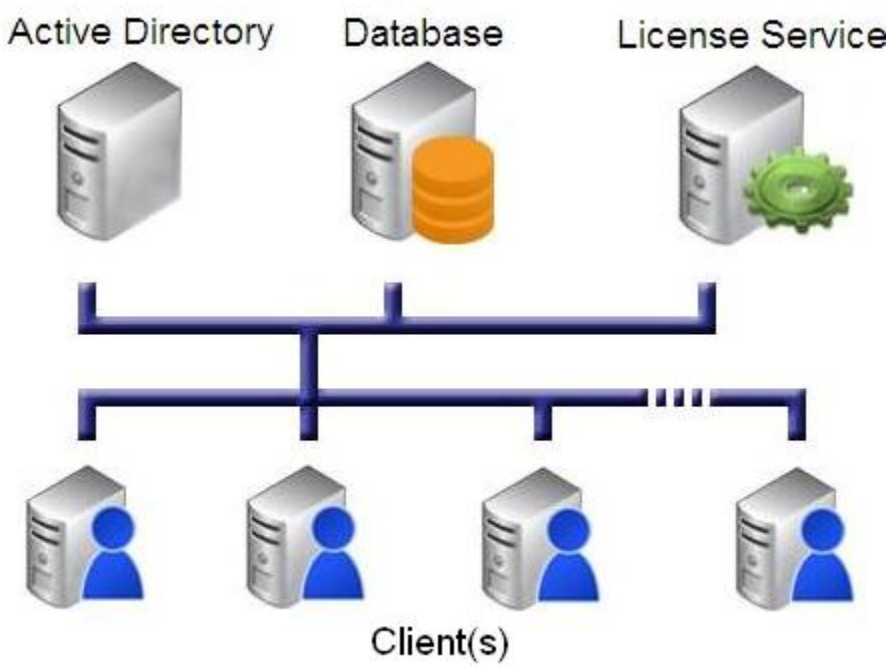
MediTutor ™ is network based software where one database shared among many workstations.

MediTutor ™ supports the operation of clinician workstation, user management using active directory, database and license service on separate machines.

Target customer(s)

Clinician workstation

Configuration



Computer requirements

Client Terminal

- OS – Windows 2000 32 bit, Windows XP-SP2 32bit or Windows 7 32 / 64 bit
- CPU – Intel Pentium 4, AMD, 1.7 GHz or above

- Video card – Support OpenGL 2.1, minimum of 128Mb of RAM, Minimum screen resolution 600x800
- USB port – Two USB channels
- Network card – 10/100

Database Server

- OS – Windows XP-SP2 32 bit, Windows Server 2003 32 bit or Windows Server 2008 64 bit
- DB – MS-SQL Server
- Network card – 10/100

Application Server (optional)

- OS – Windows XP-SP2 32 bit or Windows Server 2003 32 bit
- USB port – One USB channel for plug in a Security Key
- Network card – 10/100

Data Flows

Activities

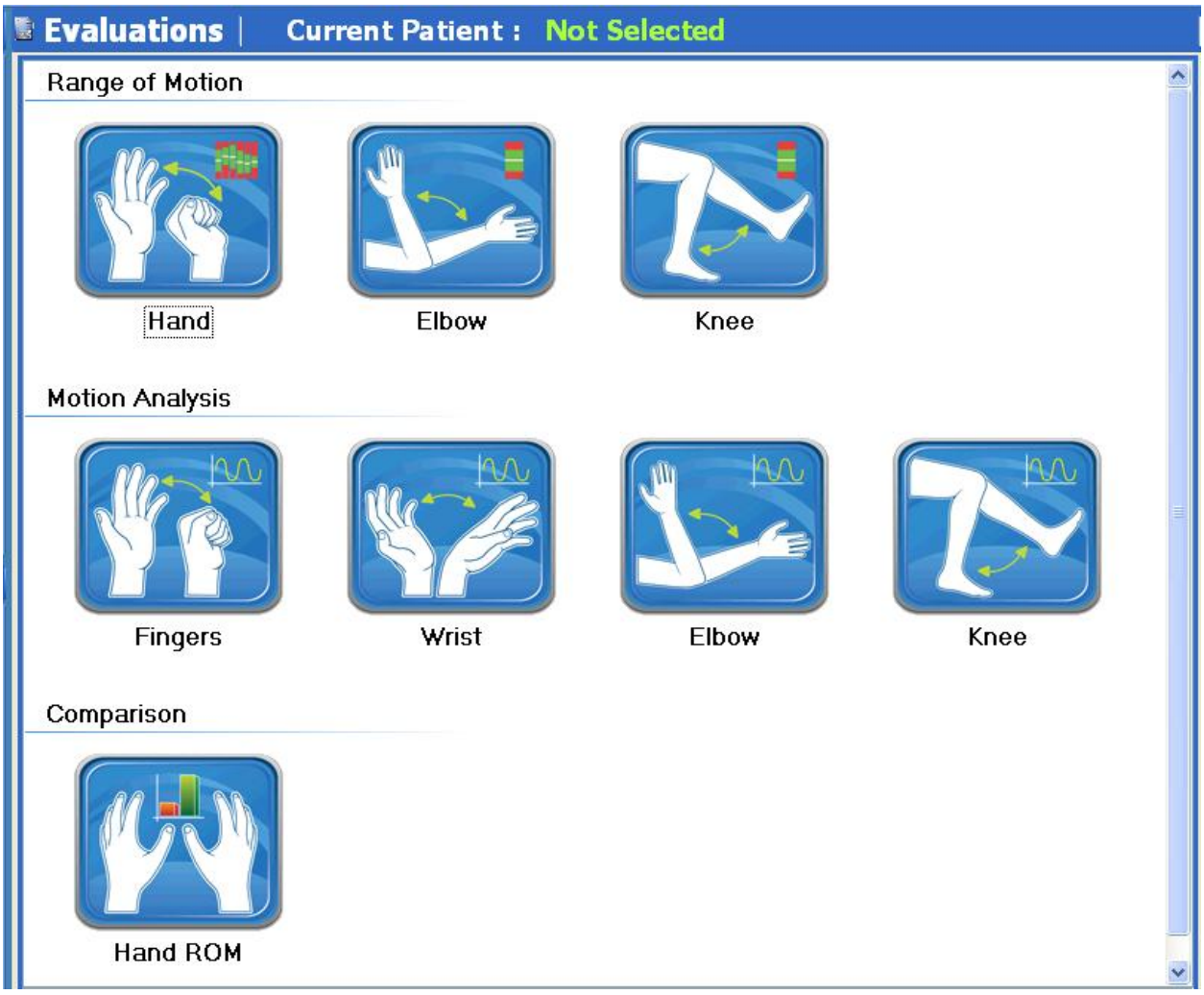
Treatments

The MediTutor™ system is designed to allow the patient to undertake a wide variety of clinically developed task based exercises. The program to patient interface has been designed to keep the patient motivated during the exercise program. During and after the exercise the patient receives information on his training performance. This information is known as acknowledgement of performance and acknowledgement of results. The exercise tasks are professionally designed to keep the patient motivated during their rehabilitation program. In this section you can choose any treatment as appear in list. The treatments types are listed in **Using The System** section.

Evaluations

This section allows the evaluation of the patients biomechanical and kinematics' hand performance. Proper evaluation of these parameters allows the therapist to better understand the patient's hand impairment and customize a rehabilitation program that will lead to improvement in hand function.

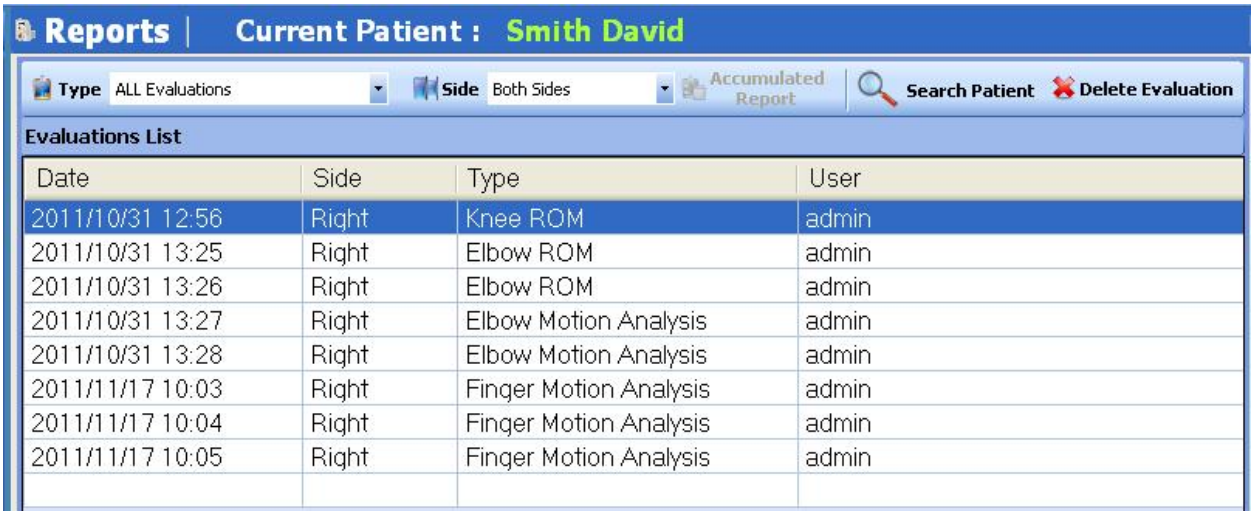
In this section you can choose an evaluation as appear in list. The evaluations types are listed in **Using The System** section.



Reports

This section allows seeing list of evaluations reports per selected patient.

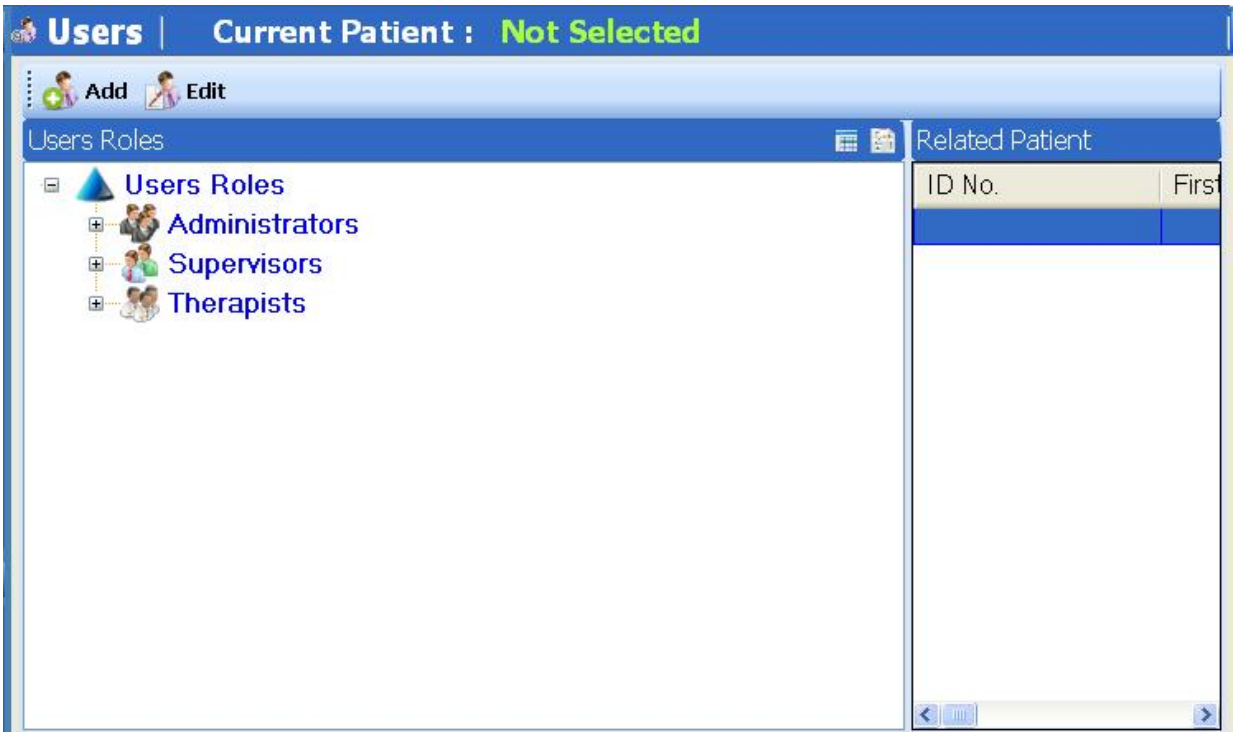
At the upper left side of the form you can filter evaluations reports by choosing evaluation type and side and then press on **Accumulated Report** button. In addition, you can delete specific report.


Reports | Current Patient : Smith David
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Delete Evaluation
Evaluations List
Date
Side
Type
User
2011/10/31 12:56 Right Knee ROM admin
2011/10/31 13:25 Right Elbow ROM admin
2011/10/31 13:26 Right Elbow ROM admin
2011/10/31 13:27 Right Elbow Motion Analysis admin
2011/10/31 13:28 Right Elbow Motion Analysis admin
2011/11/17 10:03 Right Finger Motion Analysis admin
2011/11/17 10:04 Right Finger Motion Analysis admin
2011/11/17 10:05 Right Finger Motion Analysis admin

Management

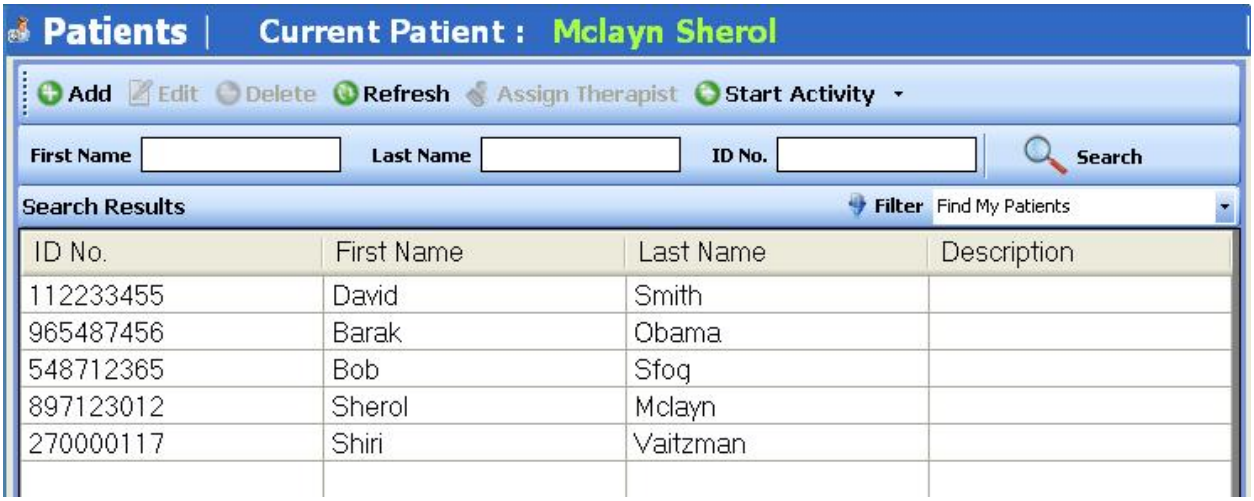
Users

This section details MediTutor™ functionality in terms of managing the users within the clinic. There are four users roles designed to allow therapists different clinic and patient management rights. In this section you can add new user, edit existing user and deactivate specific user. The user's roles and rights are listed in **Using The System** section.



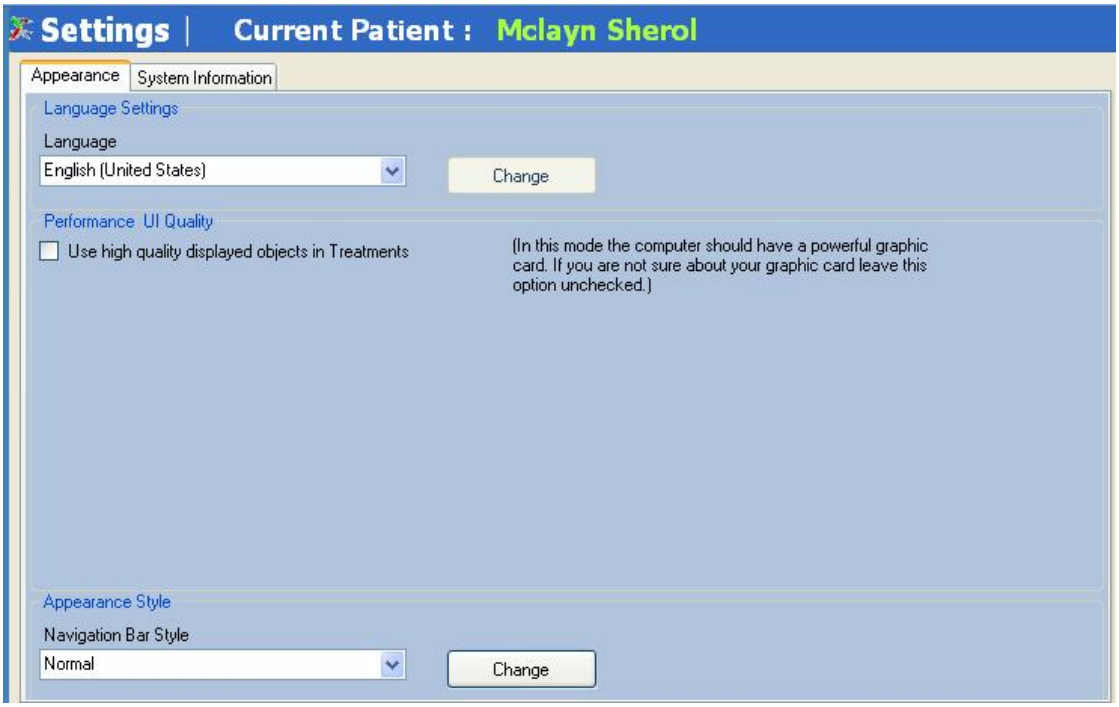
Patients

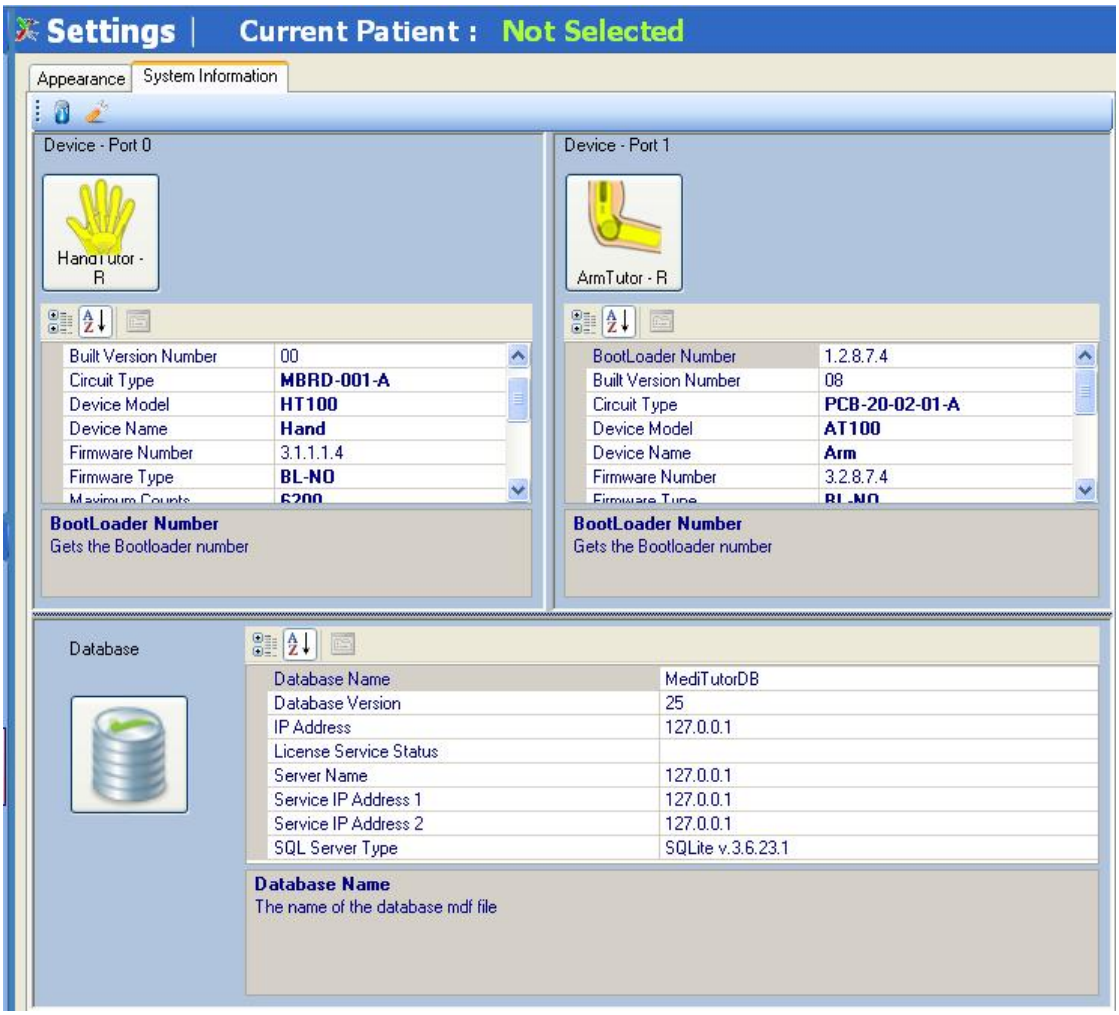
This section allows set up and storage of all patient details and allows the qualification of which therapist can evaluate and treat which patient within the clinic. In this section you can add, edit, delete or search a patient and assign therapist to him.



Settings

This section allows changing language appearance application, appearance style and watch system information.


Settings | Current Patient : Mclayn Sherol
Appearance
System Information
Language Settings
Language
English (United States)
Change
Performance UI Quality
Use high quality displayed objects in Treatments
(In this mode the computer should have a powerful graphic card. If you are not sure about your graphic card leave this option unchecked.)
Appearance Style
Navigation Bar Style
Normal
Change



User Access Levels

There are three users roles designed to allow therapists different clinic and patient management rights. The user role and rights are listed below:

Administrator

This role for the use of organization's system administrator only: it has all administrative rights including; user's management.

Supervisor

This role has supervisor rights including; therapists management.

Therapist

This role allows the following rights: Add new patient into data base, treat all therapists' patients and record evaluation data for their own patients. User's management is restricting.

SUPPORTED DEVICES

HandTutor Specifications

Product Labels

- Product name: HandTutor
- Model: HT100

Dimensions

- Size (length/width/height): 350[mm] x 120[mm] x 70[mm]
- Weight: 350[gr]

Sensor

- Technology: Ergonomic glove with sensitive electro optical position, speed wrist and finger movement sensors.
- Sensitivity: 0.05[mm] of wrist and fingers Ext./Flex
- Motion capture speed: up to 1[m/sec]

Functionality

- Size: 5 sizes 98% coverage of population
- Side: Left and Right
- Materials: Glove made from Neoprene and Spandex fabric on dorsal side of glove. Palm side of glove is not covered.
- Attachments: Velcro straps
- Infection control: Disposable liner

Communication

- Communication: USB1.1 cable
- Driver: Windows embedded HID driver

Power Supply

- Voltage: 5[V]
- Current supply: 300[mA]

Environmental conditions

- Usage temperature: $+15^0$C to $+30^0$C
- Storage temperature: -30^0C to $+70^0$C
- Relative humidity:10% – 95%
- Atmospheric pressure: 500[hPa] – 1060[hPa]

Regulation

- The HandTutor has been tested according to standard IEC 60601-1 (1988) Second Edition + Am.1 + Am.2 and IEC 60601-1-2 (2001)
- Medical device according directive 93/42/EEC European Union
- CE and FDA approved

Manufacturer

- Company name: MediTouch Ltd.
- Address: 45 Hamelacha, Poleg industrial zone, Netanya, Israel.

Illustration

Upper view

Side view

Package

Internal content

- HandTutor – Left or Right ;1-5 sizes
- Nylon coverage to device
- 2 silica bags

Outside package

- L/W/H: 43 [cm]x22.5[cm]x12.5[cm]
- Weight: 1.8[kg]

Labeling

On USB cable

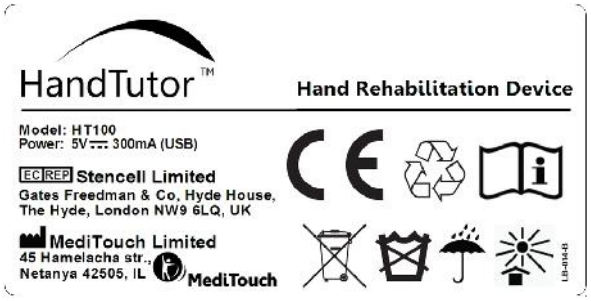
- Device S/N

On USB plug

- Device P/N and regulation

On case

- Regulation label

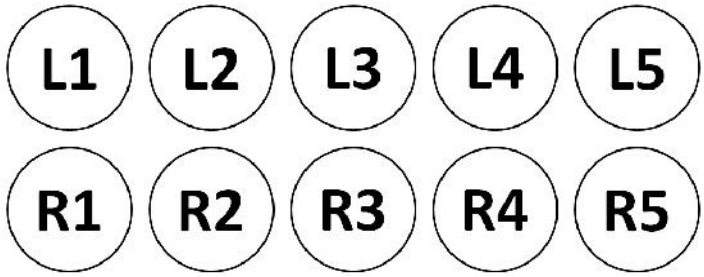


- Side/Size label (Available products: HandTutor left or right side, sizes 1-5)

On carton

- Device S/N

- Device type (Available products: HandTutor left or right side, sizes 1-5)



ArmTutor Specifications

Product Labels

- Product name: ArmTutor
- Model: AT100

Dimensions

- Size (length/width/height): 350[mm] x 140[mm] x 60[mm]
- Weight: 400[gr]

Sensor

- Shoulder measurements: Abd/Add, Ext/Flex, Int/Ext rotation - Full range [degree]
- Elbow measurement: Ext/Flex – 0-120[degree]

Functionality

- Size: All sizes adjusted by two telescopes
- Side: Left and Right
- Dynamic range limiter: Ext and/or Flex of elbow
- Body attachment method: Velcro strips
- Infection control: Disposable sponge pads

Communication

- Communication: USB1.1 cable
- Driver: Windows embedded HID driver

Power Supply

- Voltage: 5[V] DC
- Rated current input: 100[mA].

Environmental conditions

- Usage temperature: $+15^0$C to $+30^0$C
- Storage temperature: -30^0C to $+70^0$C
- Relative humidity:10% – 95%
- Atmospheric pressure: 500[hPa] – 1060[hPa]

Regulation

- The ArmTutor has been tested according to standard IEC 60601-1 (1988) Second Edition + Am.1 + Am.2 and IEC 60601-1-2 (2001)
- CE and FDA approved

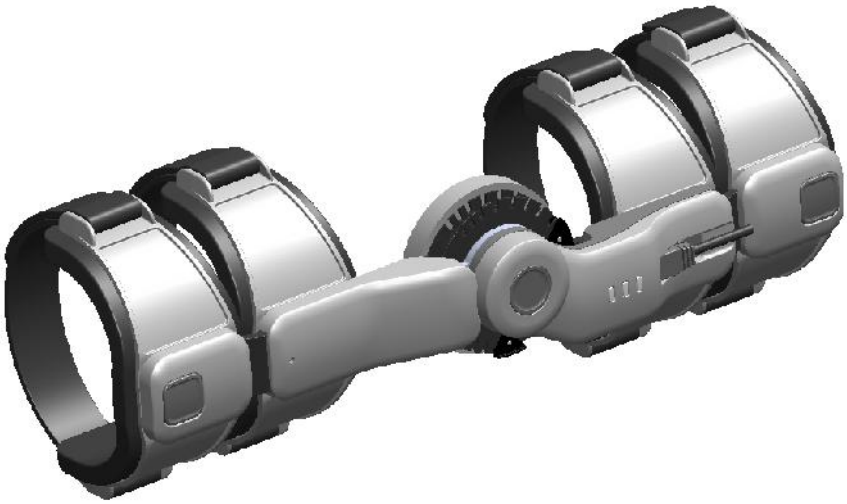
Manufacturer

- Company name: MediTouch Ltd.

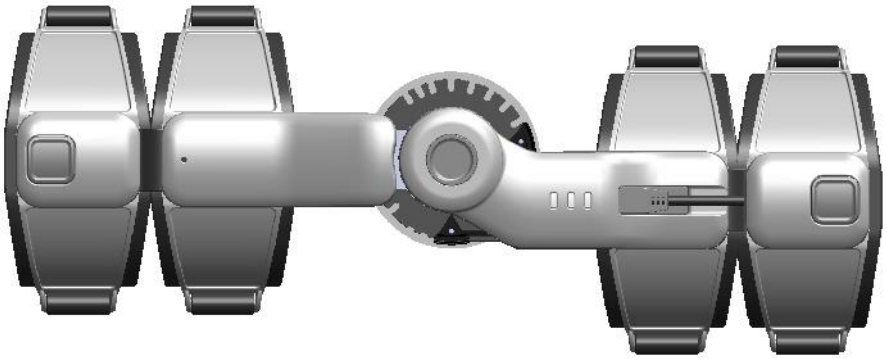
- Address: 45 Hamelacha, Poleg industrial zone, Netanya, Israel.

Illustration

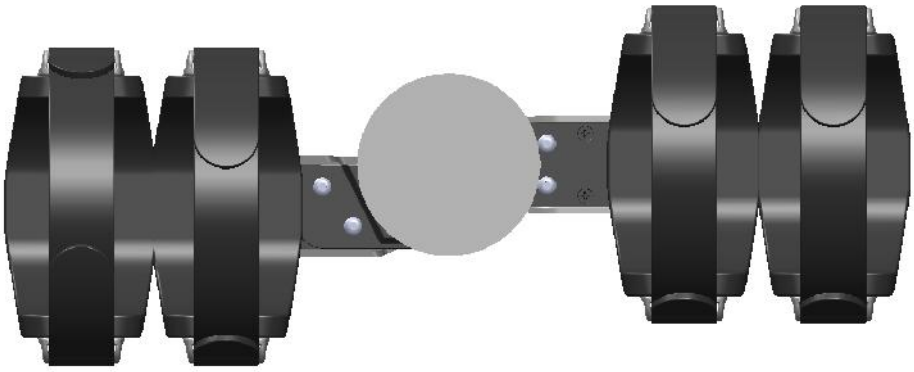
Isometric view



Outer Side view



Inner Side view



Package

Internal content

- ArmTutor – Left or Right
- MiniUSB 2m
- 2 pairs of body attached straps
- 2 silica bags

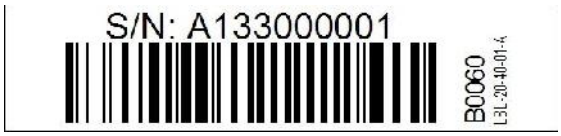
Outside package

- L/W/H: 42 [cm]x24.5[cm]x14.5[cm]
- Weight: 2[kg]

Labeling

On device

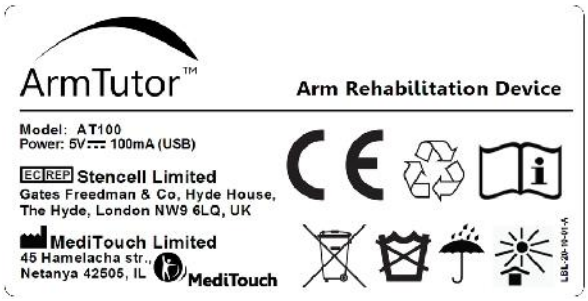
- Device S/N



- Device P/N and regulation (Available products: ArmTutor right or left side)

On case

- Regulation label

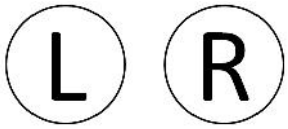


- Side label (Available products: ArmTutor left or right side)

On carton

- Device S/N

- Device orientation (Available products: ArmTutor light or left side)



LegTutor Specifications

Product Labels

- Product name: LegTutor
- Model: LT100

Dimensions

- Size (length/width/height): 350[mm] x 140[mm] x 60[mm]
- Weight: 410[gr]

Sensor

- Hip measurements: Abd/Add, Ext/Flex, Int/Ext rotation - Full range [degree]
- Knee measurement: Ext/Flex – 0-120[degree]

Functionality

- Size: All sizes adjusted by two telescopes
- Side: Left and Right
- Dynamic range limiter: Ext and/or Flex of knee
- Body attachment method: Velcro strips
- Infection control: Disposable sponge pads

Communication

- Communication: USB1.1 cable
- Driver: Windows embedded HID driver

Power Supply

- Voltage: 5[V] DC
- Rated current input: 100[mA]

Environmental conditions

- Usage temperature: $+15^0$C to $+30^0$C
- Storage temperature: -30^0C to $+70^0$C

- Relative humidity:10% – 95%
- Atmospheric pressure: 500[hPa] – 1060[hPa]

Regulation

- The LegTutor has been tested according to standard IEC 60601-1 (1988) Second Edition + Am.1 + Am.2 and IEC 60601-1-2 (2001)
- CE and FDA approved

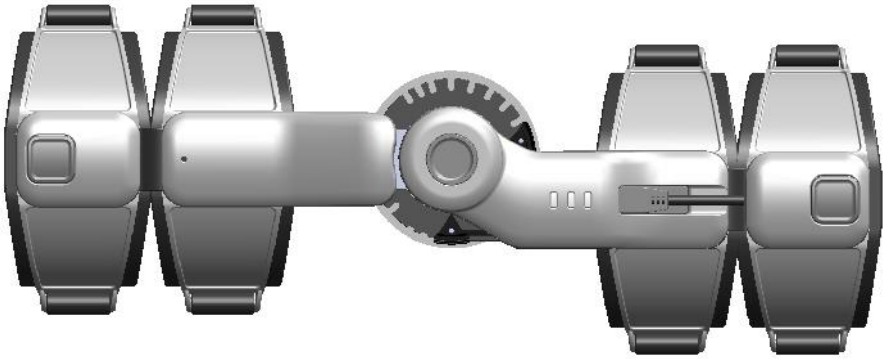
Manufacturer

- Company name: MediTouch Ltd.
- Address: 45 Hamelacha, Poleg industrial zone, Netanya, Israel.

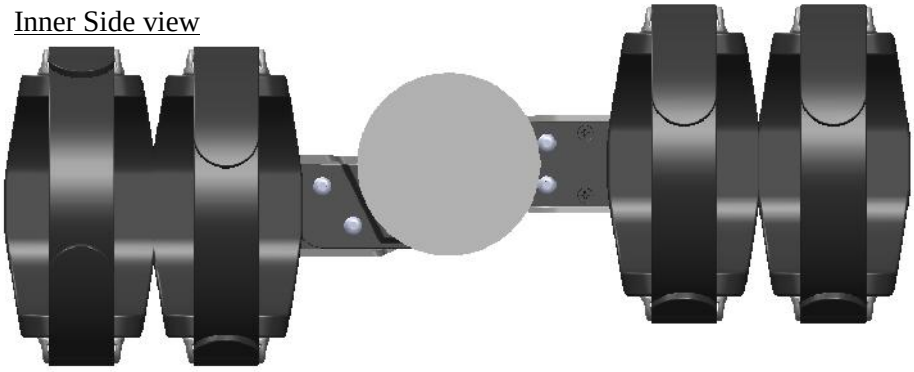
Illustration

Isometric view

Outer Side view



Inner Side view



Package

Internal content

- LegTutor – Left or Right
- MiniUSB 2m
- 3 pairs of body attached straps
- 2 silica bags

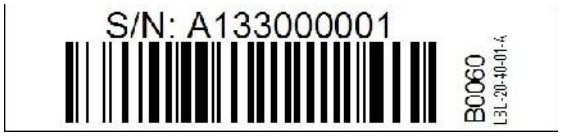
Outside package

- L/W/H: 42 [cm]x29[cm]x17.5[cm]
- Weight: 2.5[kg]

Labeling

On device

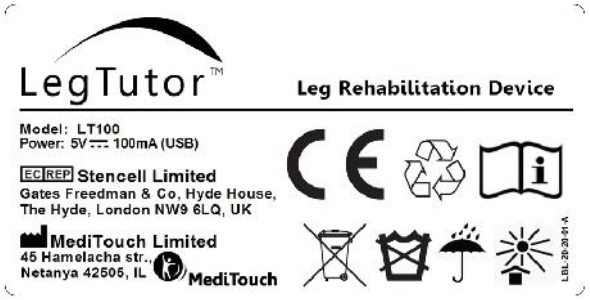
- Device S/N



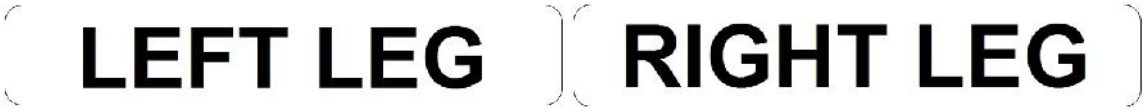
- Device P/N and regulation (Available products: LegTutor right or left side)

On case

- Regulation label



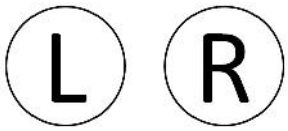
- Side label (Available products: LegTutor left or right side)



On carton

- Device S/N

- Device orientation (Available products: LegTutor light or left side)



3DTutor Specifications

Product Labels

- Product name: 3DTutor
- Model: 3DT100

Dimensions

- Size (length/width/height): 54[mm] x42[mm] x16[mm]
- Weight: 30[gr]

Sensor

- Measurements: Pitch, Roll, Yaw [degrees]

Communication

- Communication: Bluetooth radio (Class 1)
- Dongle: Supplied

Power Supply

- Autonomy of battery: up to 6[hours]
- Recharge time: up to 75[min]
- Recharge method: Connecting the module to PC using supplied USB cable

- Firmware updates method: Connecting the module to PC using supplied USB cable
- Battery type: 3.7[V] 650[mAh] LiPo
- Voltage input: 5[V] DC
- Rated current input: 400[mA] at charging mode

Environmental conditions

- Usage temperature: $+15^0$C to $+30^0$C
- Storage temperature: -30^0C to $+70^0$C
- Relative humidity:10% – 95%
- Atmospheric pressure: 500[hPa] – 1060[hPa]

Functionality

- Body attachment method: Velcro straps
- Size: All sizes
- Side: Left and Right

Features

- On/Off power switch button
- 3D preset button
- Bluetooth sleep mode
- 2 colors led indicators;

Mode	**Green Led**	**Red Led**
Link	On	Off
No Link	Blink 0.3Hz	Off
Sleep	Blink 1Hz	Off
FW Update	Blink 3Hz	Off
Charging	Off	On

Regulation

- The 3DTutor has been tested according to standard IEC 60601-1 (1988) Second Edition + Am.1 + Am.2 and IEC 60601-1-2 (2001)
- CE and FDA approved
- FCC

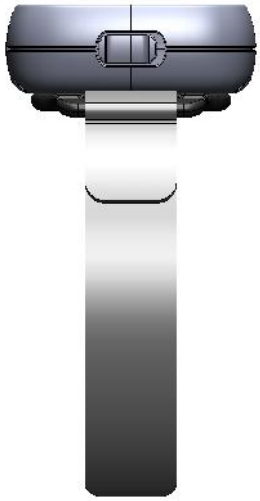
Manufacturer

- Company name: MediTouch Ltd.
- Address: 45 Hamelacha, Poleg industrial zone, Netanya, Israel.

Illustration

Side view

Side view



Isometric view

Package

Internal content

- 3DTutor
- MicroUSB 1.2m
- Bluetooth dongle
- 5 body attached straps
- 2 silica bags

Outside package

- L/W/H: 28[cm]x22[cm]x19[cm]
- Weight: 1[kg]

Labeling

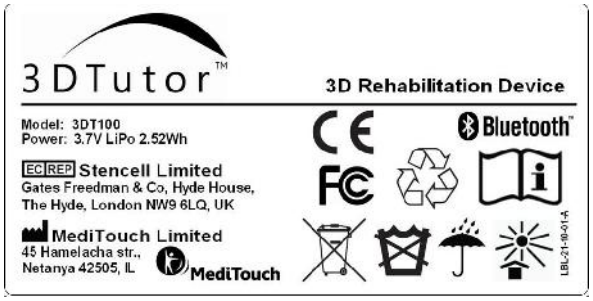
On device

- Device S/N

- Device P/N and regulation

On case

- Regulation label



On carton

- Device S/N

GETTING STARTED

How to activate 21 evaluation days

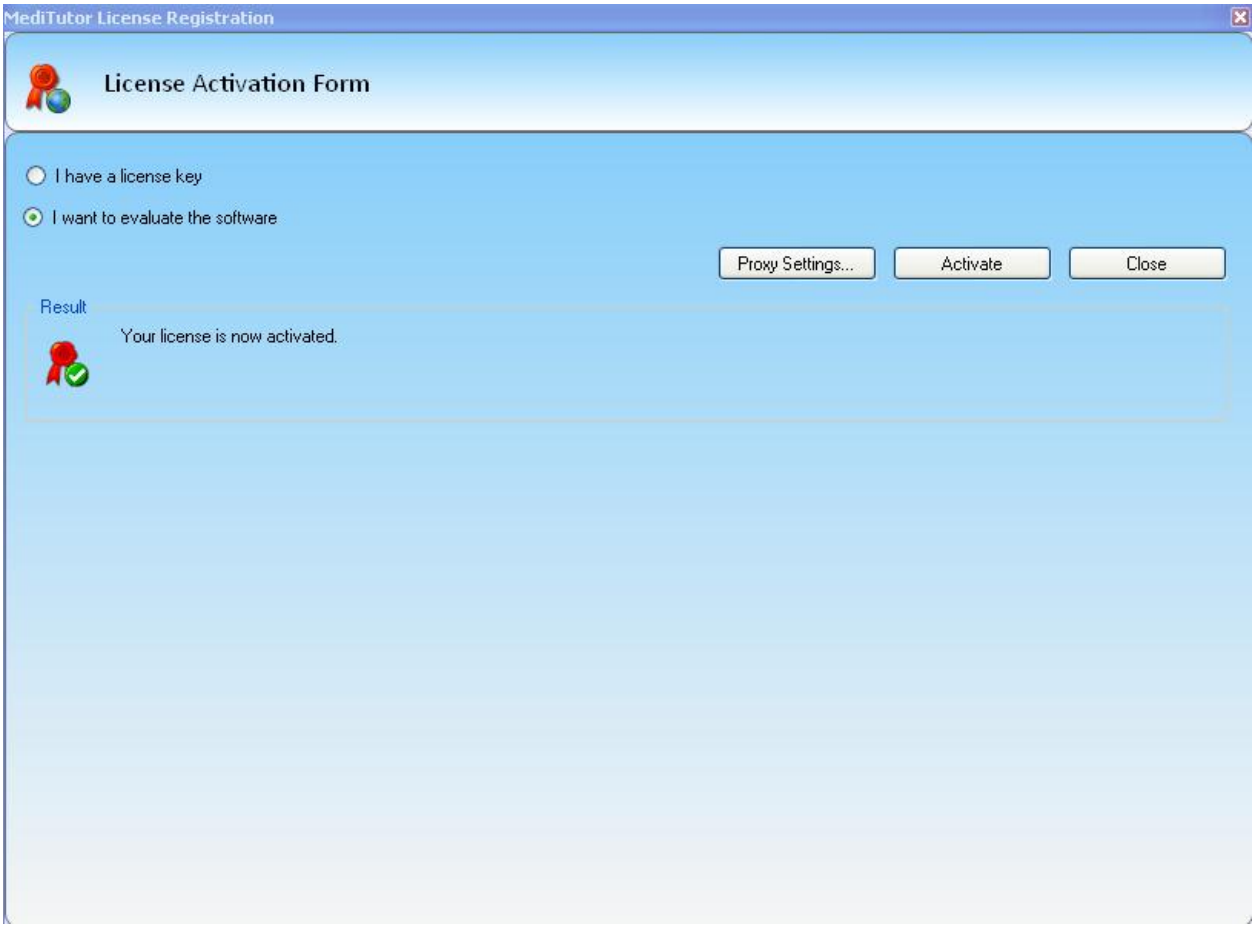
To activate MediTutor for first time follows next instructions:

1- Open **License Activation Form**

2- Choose **I want to evaluate the software** and press Activate

3- A message **your license is now activated** will appear

4- For **permanent license** email to info@mediTouch.co.il



How to Log In to MediTutor

To login to MediTutor follows next instructions:

1- Open **Login** screen

2- Insert User name: **admin** and Password: **admin**

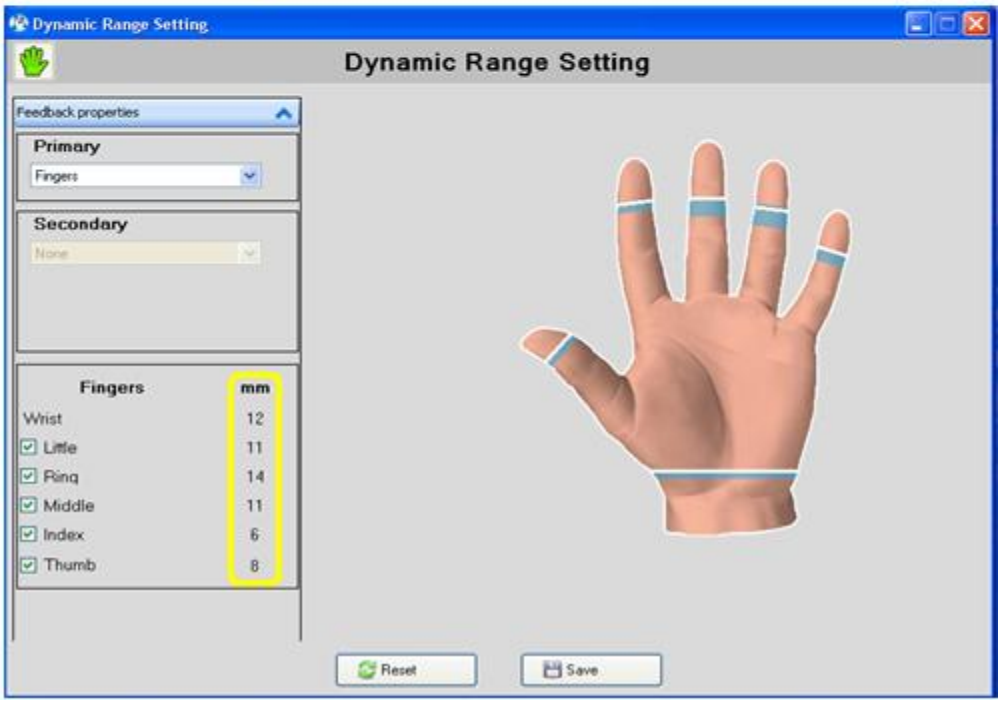
3- Press **Enter**

Main window will appear

How to check device operation

The device is calibrated to MediTutor™ software by means of passive or active flexion and extension for all limbs. To check device operation follows next instructions:

1- **Login** to MediTutor
2- **Connect** the MediTutor device into USB PC port
3- Verify **yellow** icon will appear on top
4- Displace the device to **calibrate**
5- Verify **green** icon will appear on top
6- Select a **patient** and load any **treatment**
7- A **Dynamic Range Setting** window will appear
8- Displace the device and verify **ROM are be taken**



How to check expiry date license

To check expiry date license follows next instructions:

1- **Login** to MediTutor

2- Press on **Help**

3- Press on **About**

4- Check **Expiry Date**

USING THE SYSTEM

MediTutor Toolbar

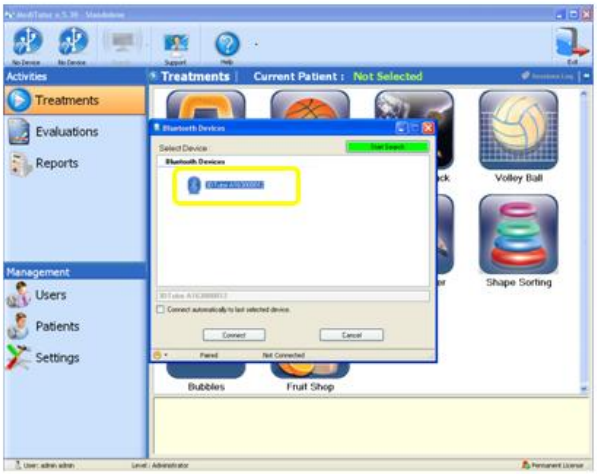
This section describe how indicates connected device(s), calibrated device(s) and describes how to connect 3DT. In addition, the user can get remote support, help files and activate MediTutor.

Devices indicators

To indicate what device is connected and calibrated:

1- **Connect** MediTutor device: HandTutor / ArmTutor / LegTutor or 3D Tutor

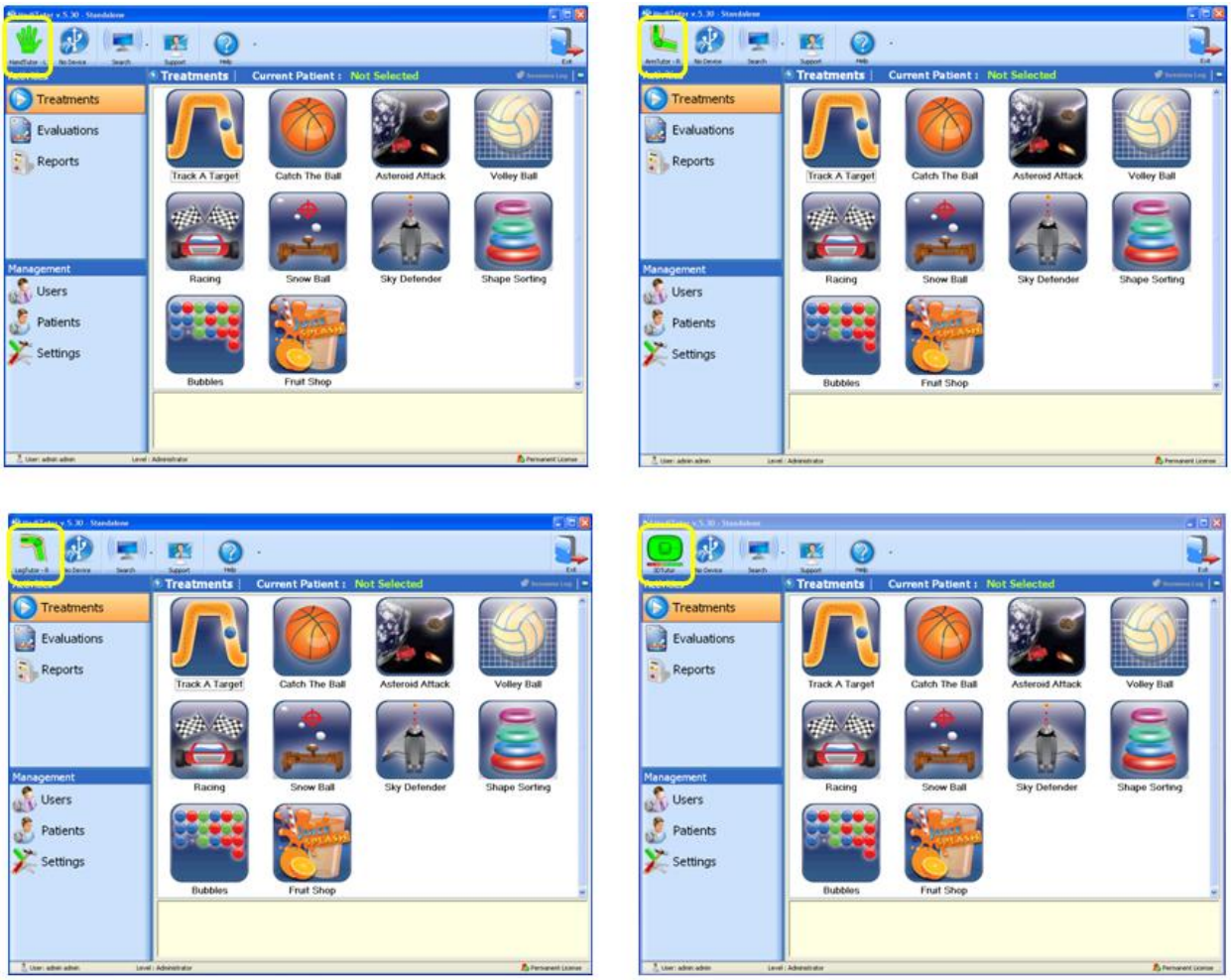
2- Verify a related **image appear** in **yellow** color



3- In case using **HT or AT or LT** then **calibrate** it.

In case using **3DT** then presses **connect**.

4- Verify **image color** change to **green**



Note: MediTutor allowed connecting maximum, two devices in a same time.

Search / New search

Use 3D Tutor

To use 3DT device follows next instructions:

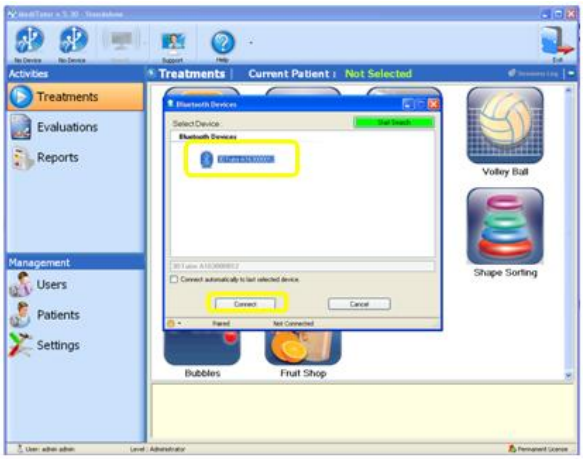
1- **Connect Bluetooth dongle** into USB port. Instead the dongle, you may use the built-in Bluetooth, if exist.

2- **Turn on** 3D Tutor

3- Press on **Search**

4- **Choose** your 3DT

5- Press **Connect** and **OK**



Connect automatically

In order to connect automatically follows next instructions:

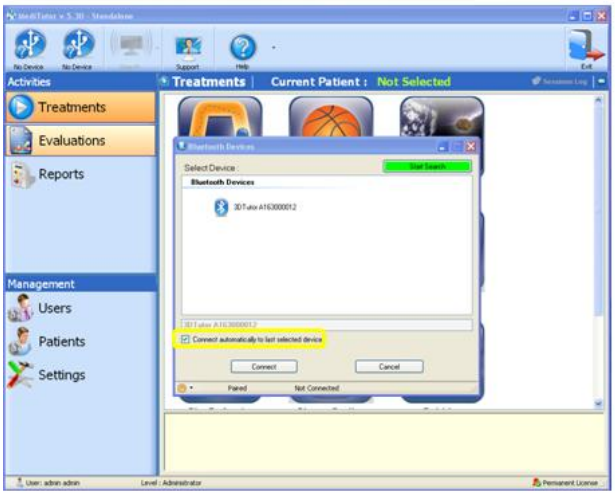
1- **Turn on** 3D Tutor

2- Press on **Search**

3- **Choose** your 3DT

4- Check **Connect automatically to last selected device**

5- Press **Connect** and **OK**



6- Logout and **relogin** to MediTutor.

7- **Turn on** 3D Tutor

8- Press **Connect**

New search

In order to connect new 3DT device follows next instructions:

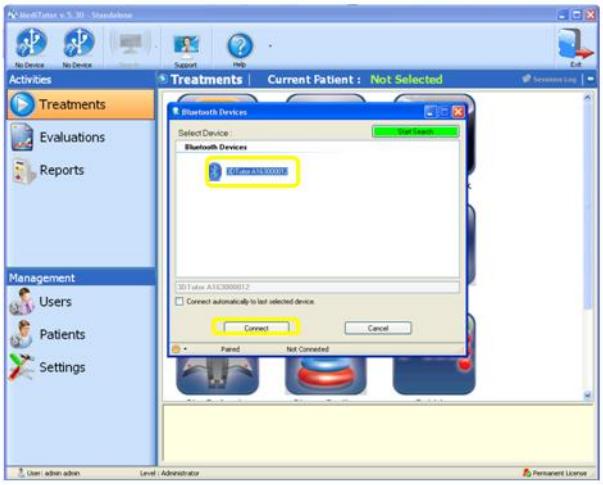
1- Press on the small arrow next to **Search** button

2- Press on **New Search**

3- A warning message will appear. Press **Yes**

4- Choose the **new 3DT**

5- Press **Connect** and **OK**



Support

To get remote support from MediTouch Support follows next instructions:

1- Press on **Support**

2- If security running will appear press **Run**

3- Supply the **ID** and **Password** to MediTouch team support

No Device
No Device
Search
Support
Help
Exit
Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Treatments | Current Patient : Not Selected
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
User: admin admin
Level : Administrator
Permanent License

No Device
No Device
Search
Support
Help
Exit
Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Treatments | Current Patient : Not Selected
Open File - Security Warning
Do you want to run this file?
Name: MediTutor Support.exe
Publisher: TeamViewer GmbH
Type: Application
From: C:\Documents and Settings\jelcan\Desktop\MediTut...
Run
Cancel
Always ask before opening this file
While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust. What's the risk?
Snow Ball
User: admin admin
Level : Administrator
Permanent License

Help

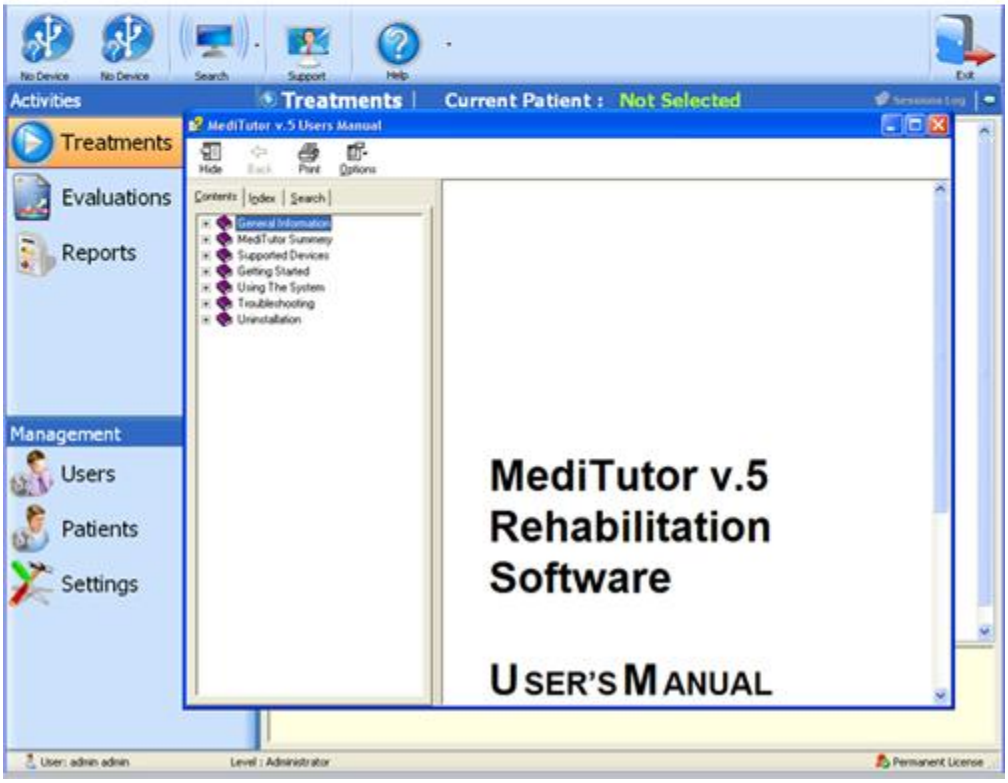
User manual

To open **user manual** follows next instructions:

1- Press on the small arrow next to **Help** button

2- Press on **user manual**

No Device
No Device
Search
Support
Help
Exit
HandTutor user guide
License Activation
Check for Updates
About
Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Not Selected
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
User: admin admin
Level : Administrator
Permanent License

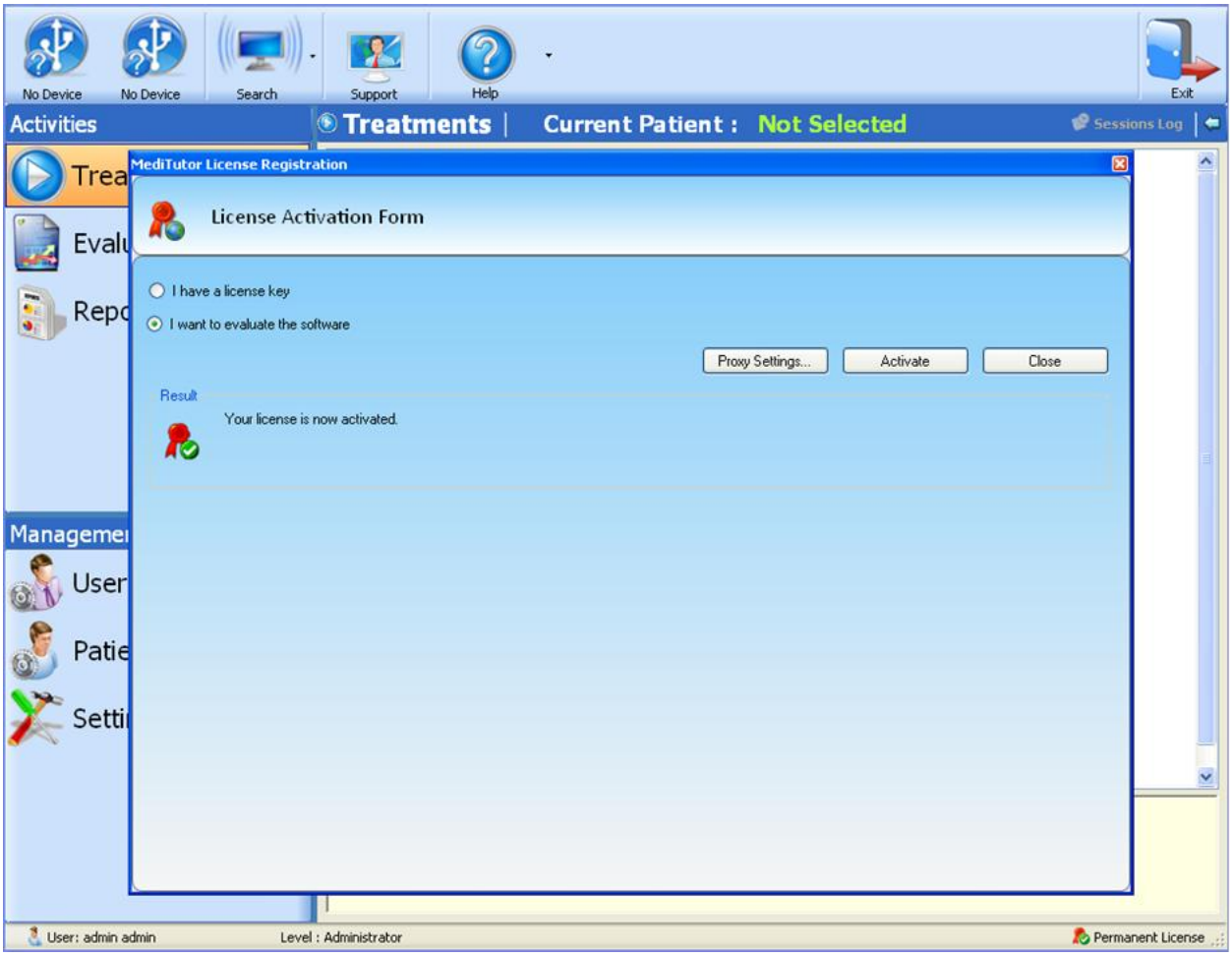

No Device
No Device
Search
Support
Help
Exit
Activities
Treatments
Current Patient : Not Selected
Evaluations
Reports
Management
Users
Patients
Settings
MediTutor v.5 Users Manual
Hide
Back
Print
Options
Contents
Index
Search
General Information
MediTutor Summery
Supported Devices
Getting Started
Using The System
Troubleshooting
Uninstallation
MediTutor v.5
Rehabilitation
Software
USER'S MANUAL
User: admin admin
Level : Administrator
Permanent License

License Activation

To open **License Activation** form follows next instructions:

1- Press on the small arrow next to **Help** button

2- Press on **License Activation**



Check for Updates

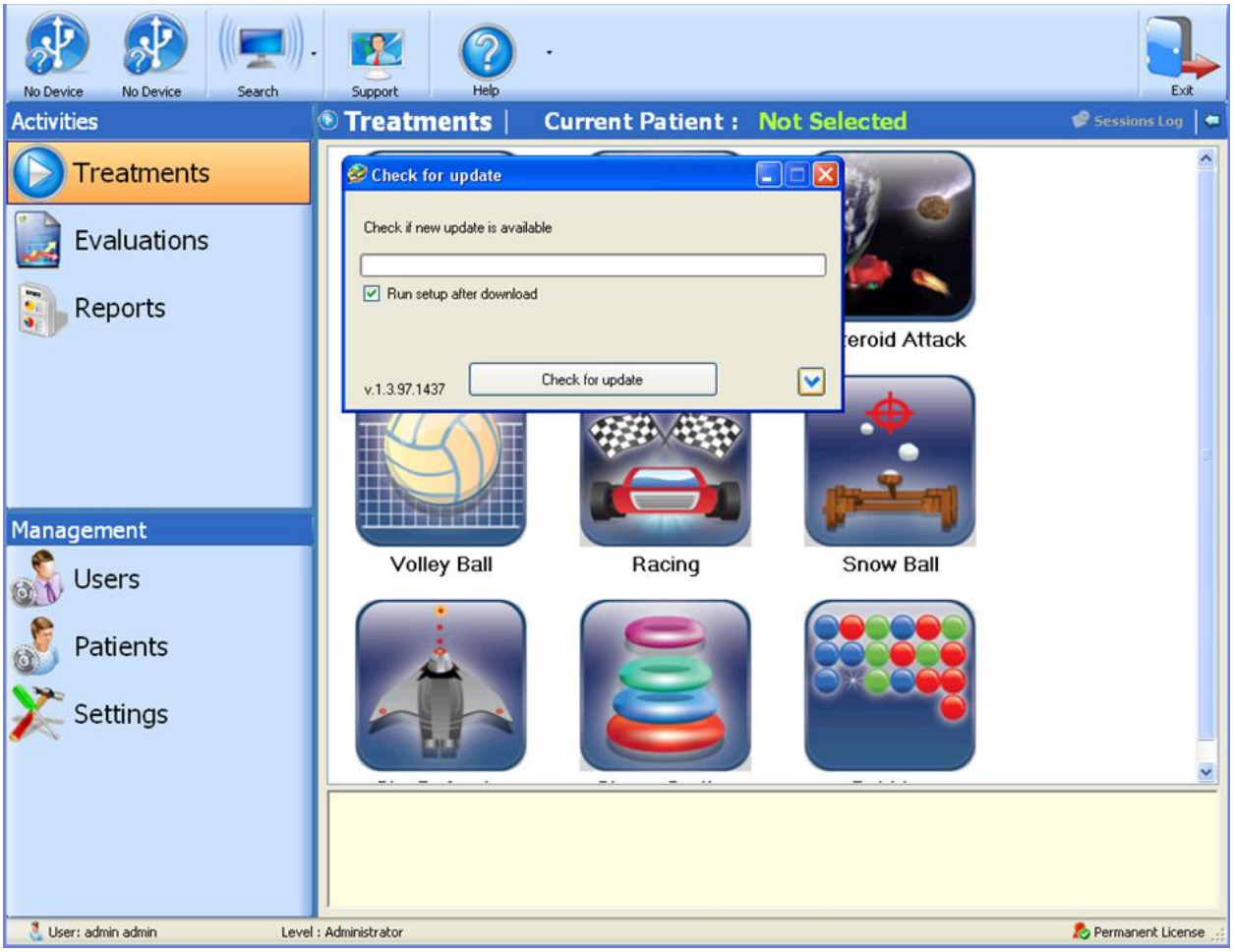
To **Check for Updates** follows next instructions:

1- Press on the small arrow next to **Help** button

2- Press on **Check for Updates**

3- Check **Run setup after download**

4- Press **Check for Update**

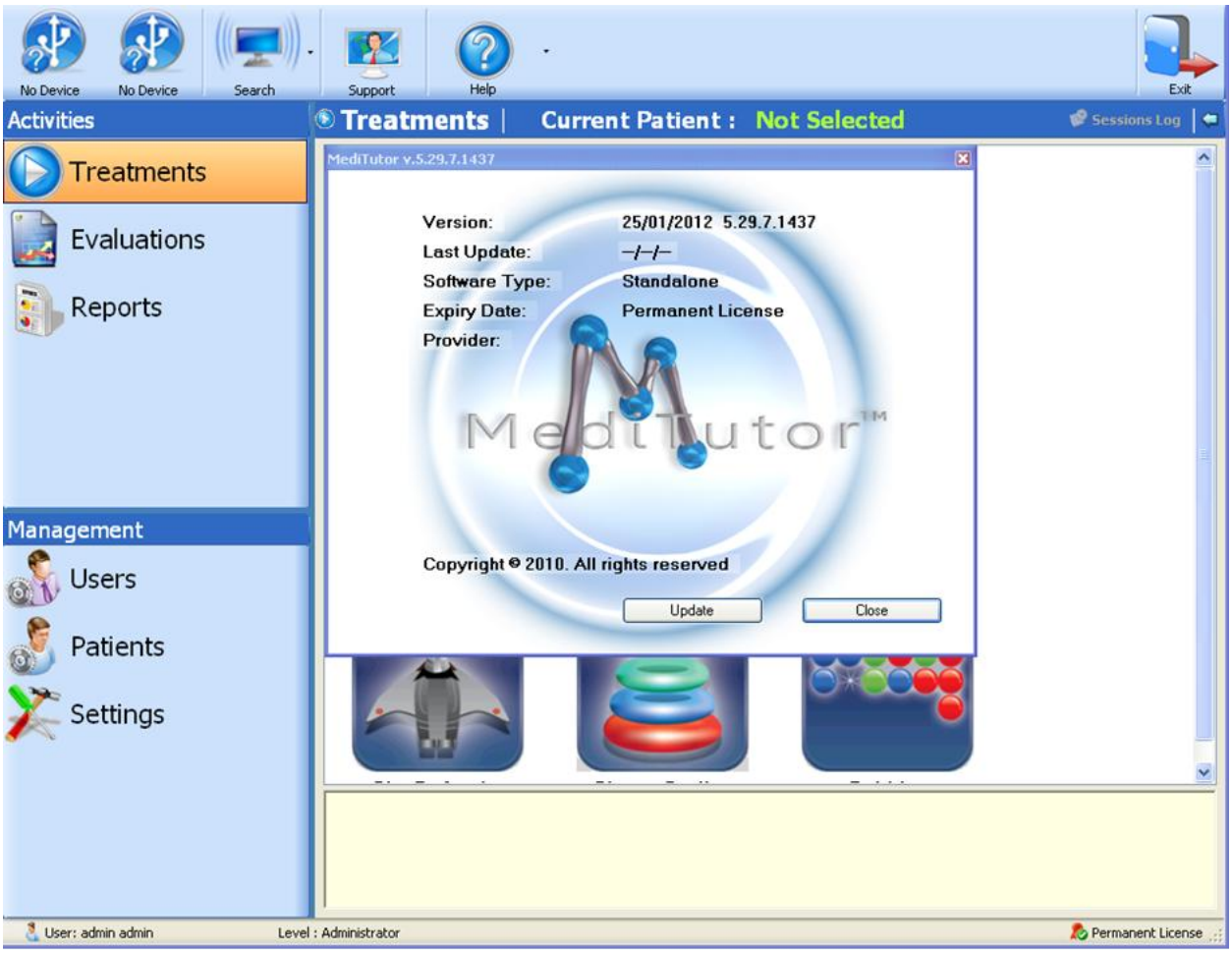


About

To open **About** form and see all version details follows next instructions:

1- Press on the small arrow next to **Help** button

2- Press on **About**



Management - Users

This section details the management rights of the therapists within the clinic and describes how to add new user, edit existing user and deactivate specific user.

Add user account

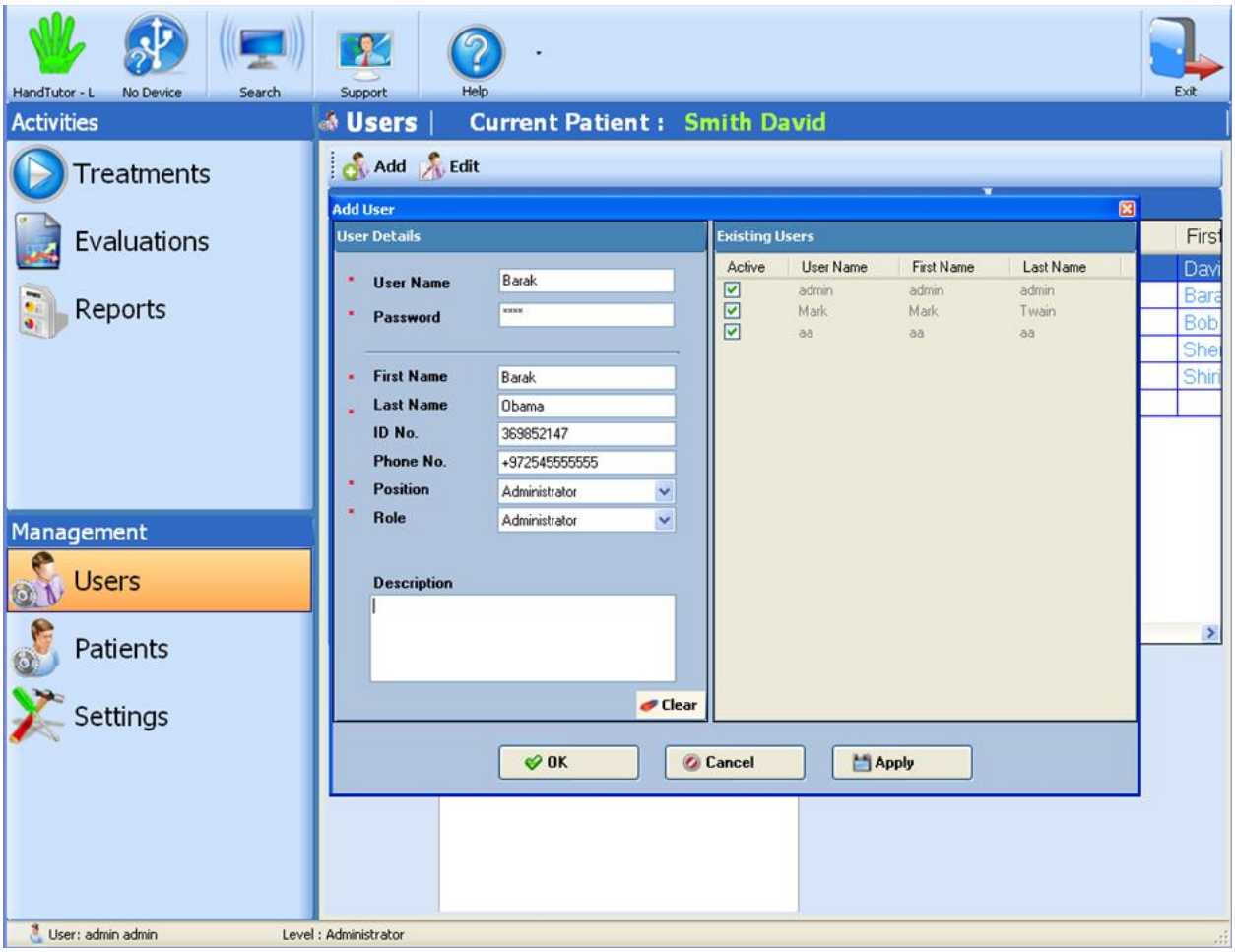
To add new user follows next instructions:

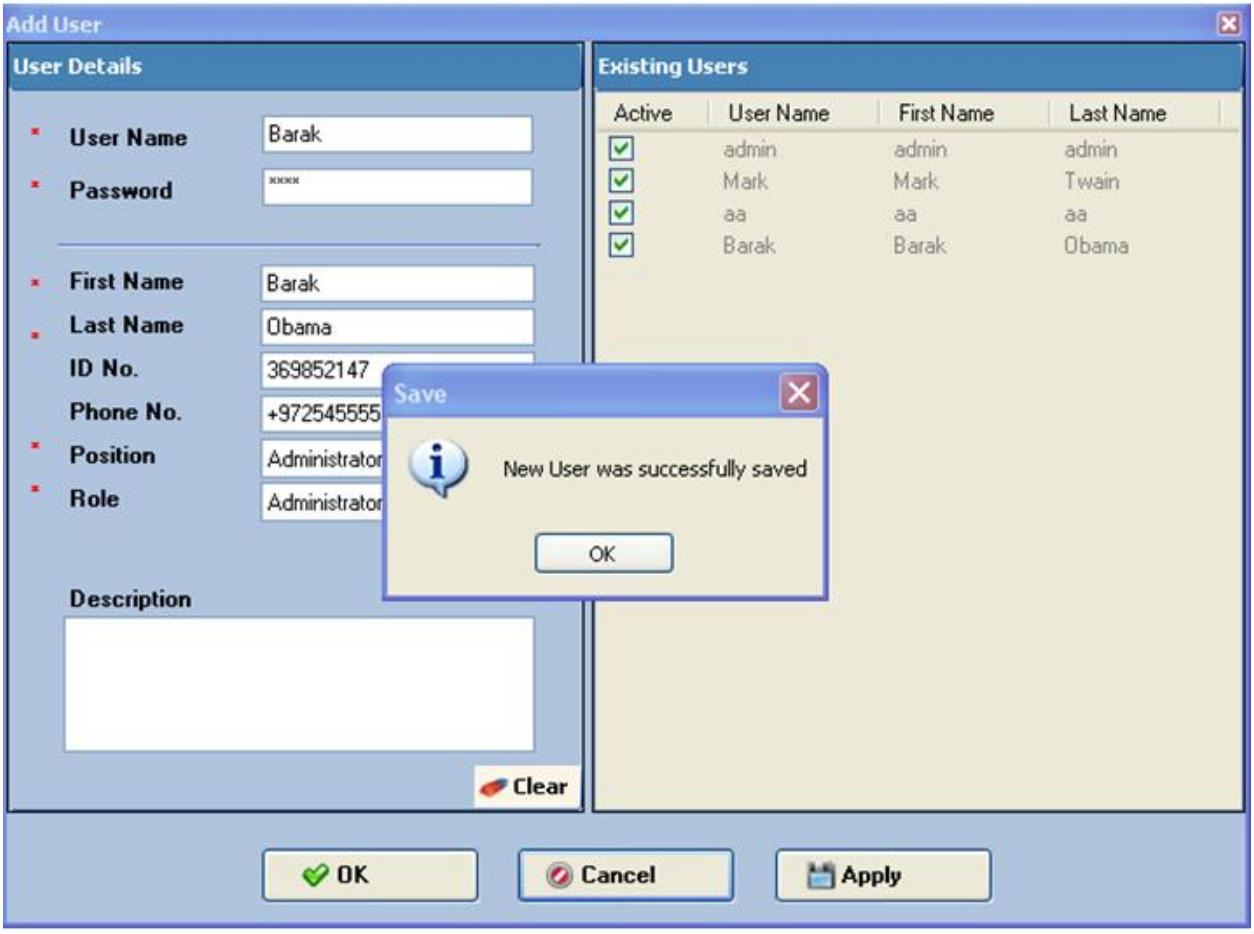
1- Go to **Users**

2- Press **Add**

3- Fill **all details**

4- Press **Apply;** Save message will appear


HandTutor - L
No Device
Search
Support
Help
Exit
Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Users | Current Patient : Smith David
Add
Edit
Add User
User Details
User Name
Barak
Password
First Name
Barak
Last Name
Obama
ID No.
369852147
Phone No.
+972545555555
Position
Administrator
Role
Administrator
Description
Clear
Existing Users
Active
User Name
First Name
Last Name
admin
admin
admin
Mark
Mark
Twain
aa
aa
aa
OK
Cancel
Apply
User: admin admin
Level : Administrator



Edit user account

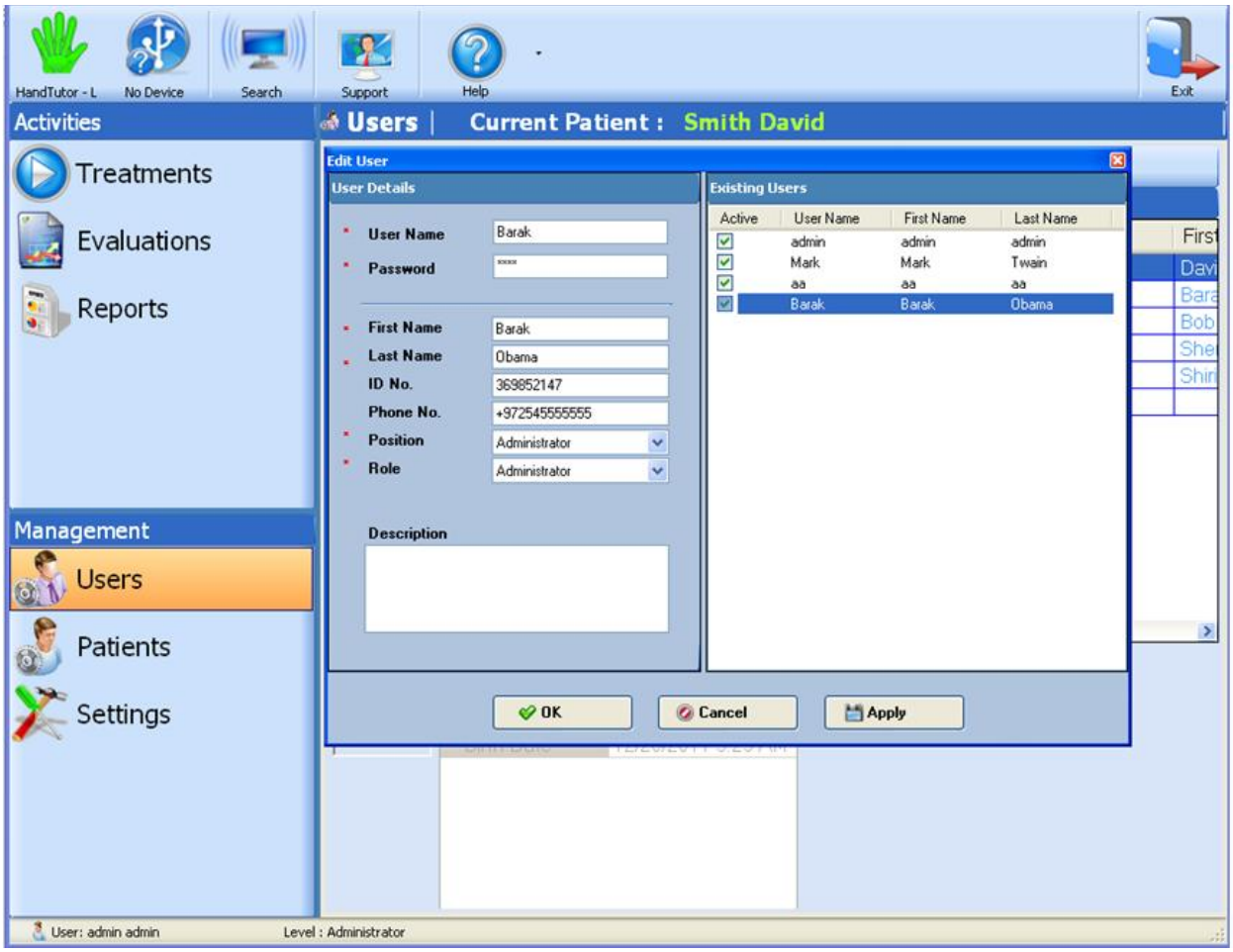
To edit a user follows next instructions:

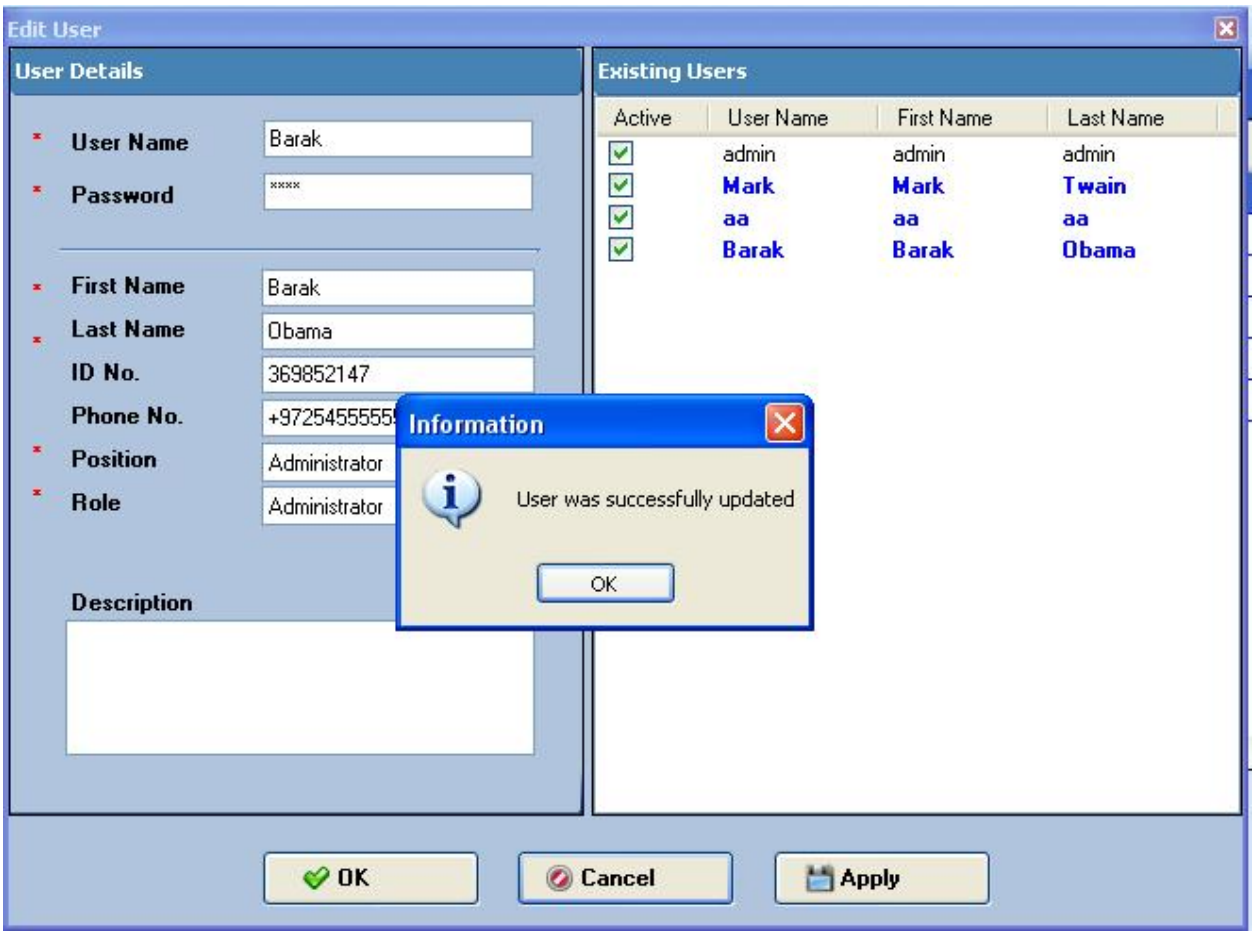
1- Press **Edit**

2- Choose **user** from existing users

3- Change **any details**

4- Press **Apply;** Information message will appear


HandTutor - L
No Device
Search
Support
Help
Exit
Activities
Users | Current Patient : Smith David
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Edit User
User Details
User Name
Barak
Password
First Name
Barak
Last Name
Obama
ID No.
369852147
Phone No.
+972545555555
Position
Administrator
Role
Administrator
Description
Existing Users
Active
User Name
First Name
Last Name
admin
admin
admin
Mark
Mark
Twain
aa
aa
aa
Barak
Barak
Obama
OK
Cancel
Apply
User: admin admin
Level : Administrator



Active / Inactive user account

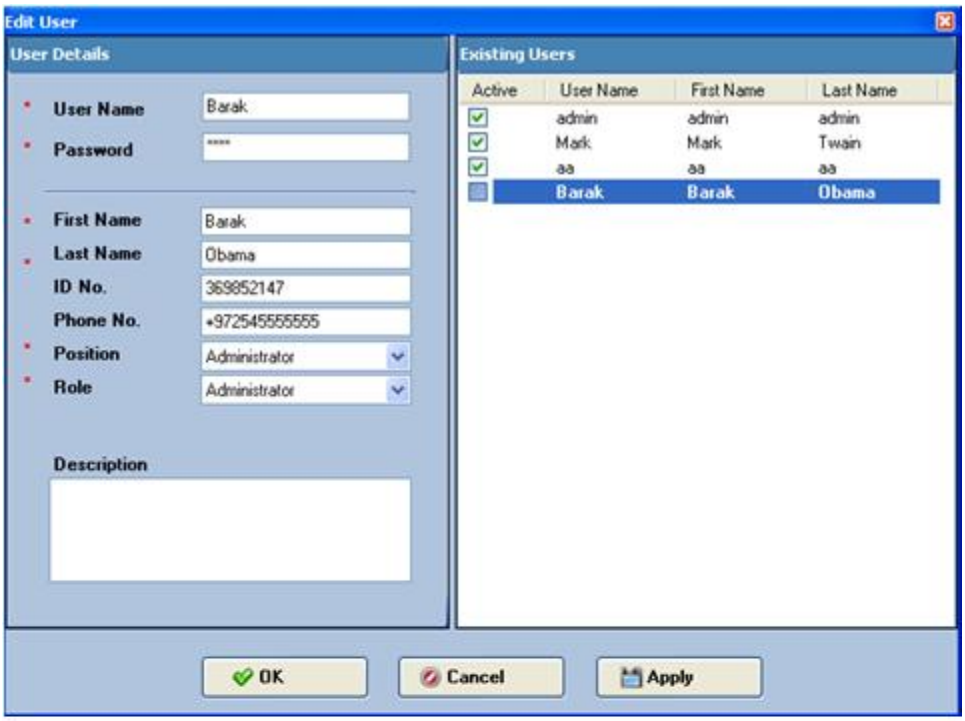
To active or inactive a user follows next instructions:

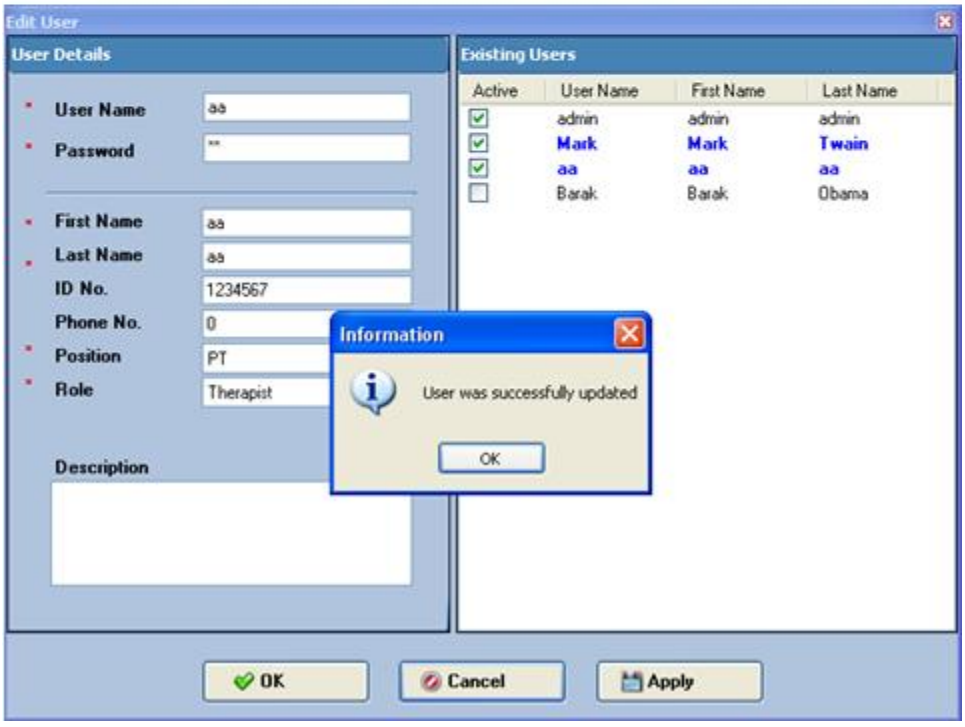
1- Press **Edit**

2- Choose **user**

3- Go to **Active** column and uncheck to inactive the user

4- Press **Apply;** Information message will appear



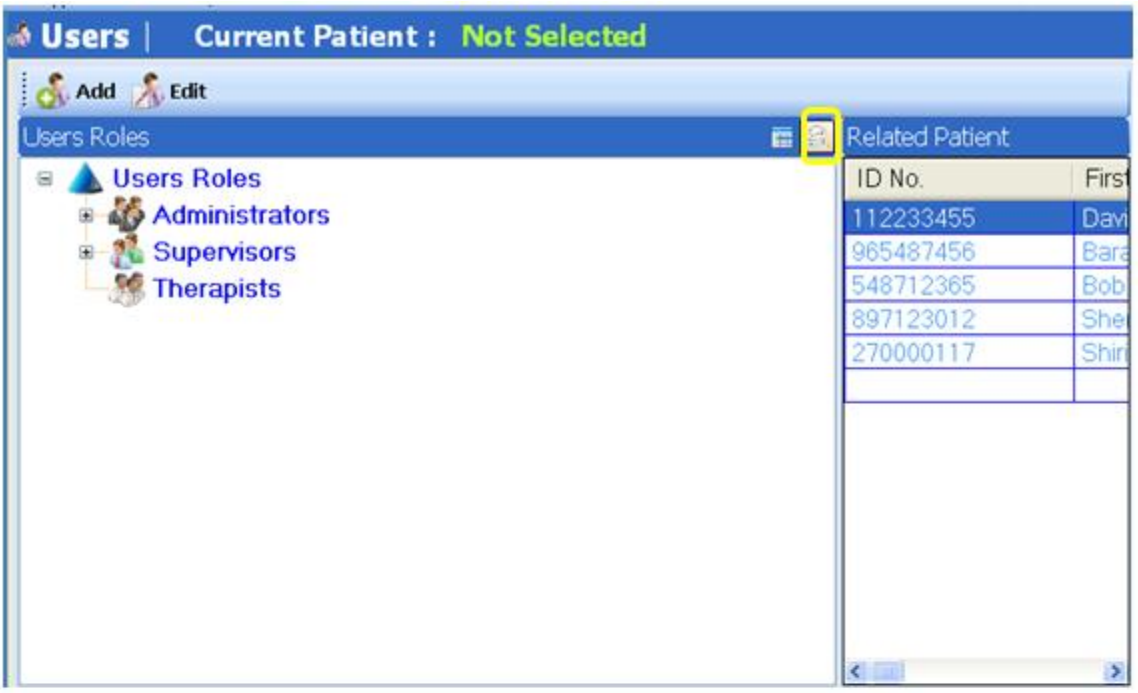


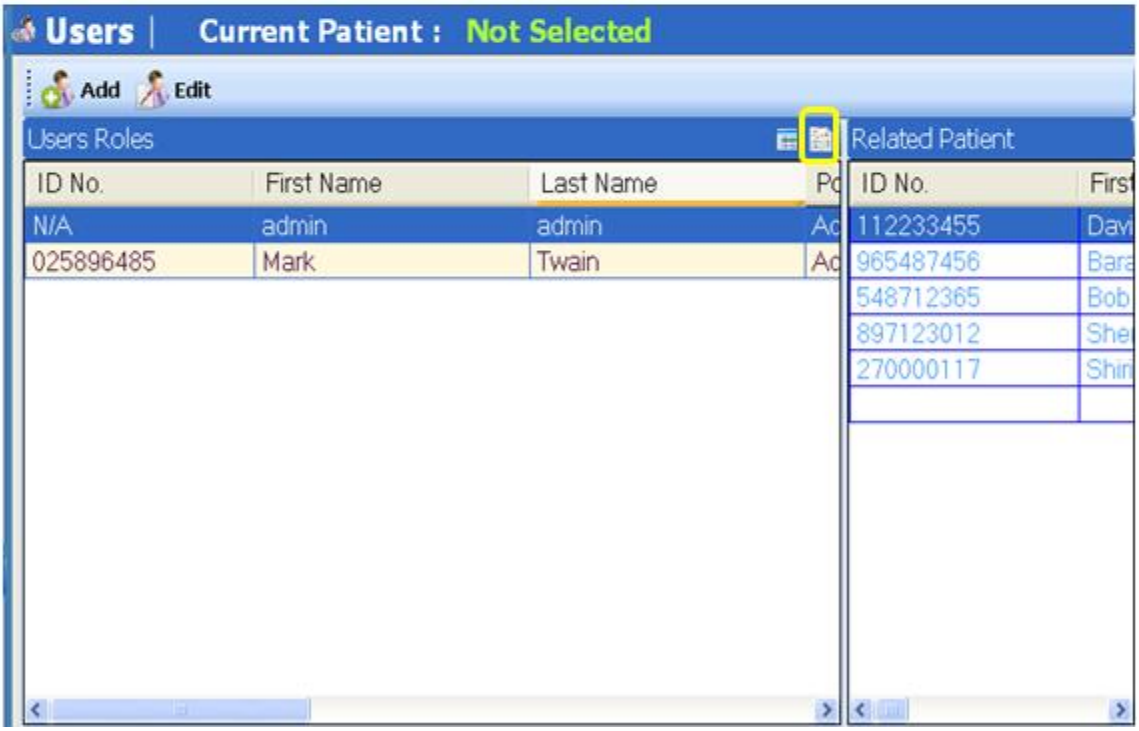
Show records in Grid or Tree mode

To show user records follows next instructions:

1- Press Show **Tree** for tree view

2- Press Show **Grid** for grid view





Management – Patients

This section allows setting up and storage of all patients details and allows the qualification of which therapist can evaluate and treat which patient within the clinic.

Add patient

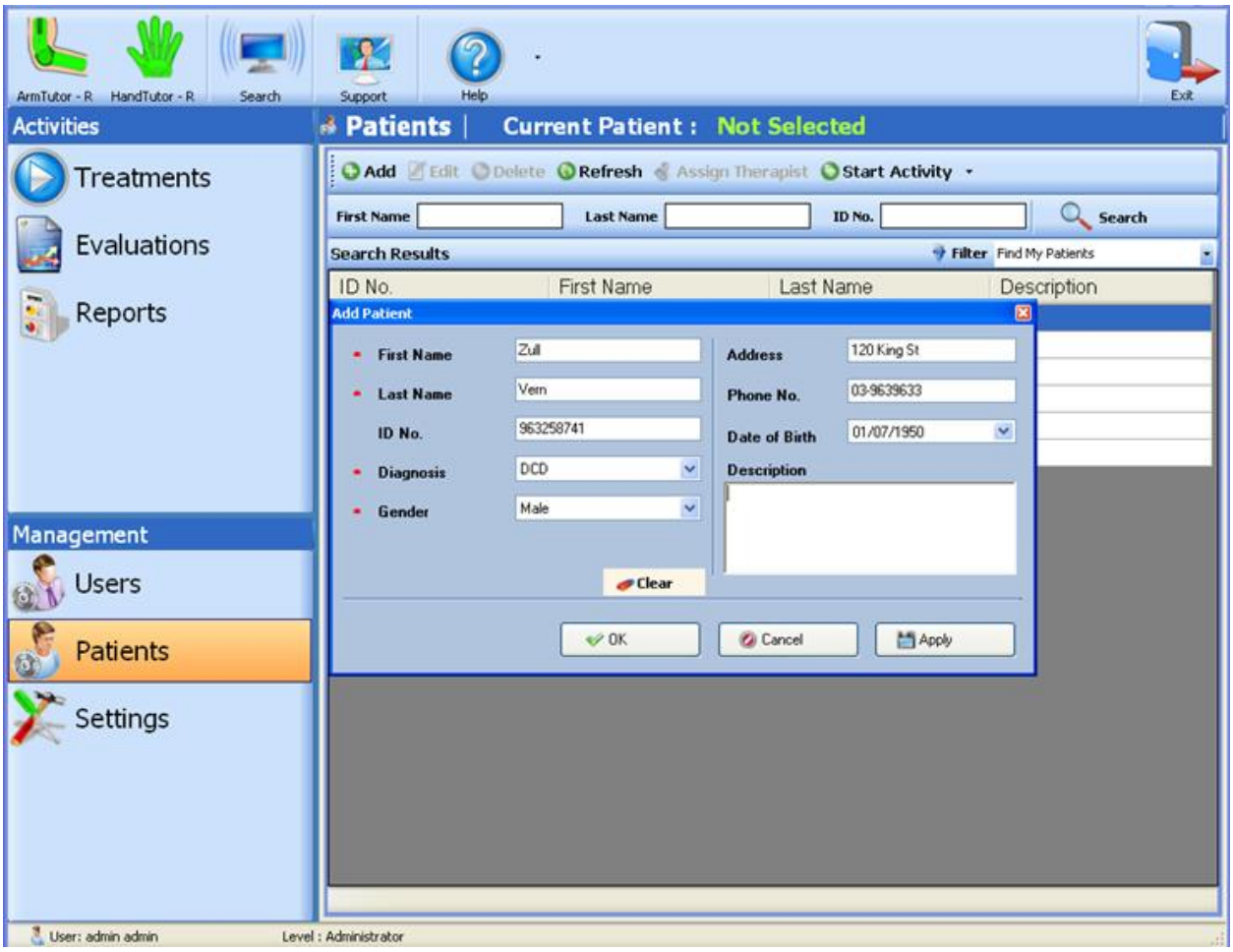
To add new patient follows next instructions:

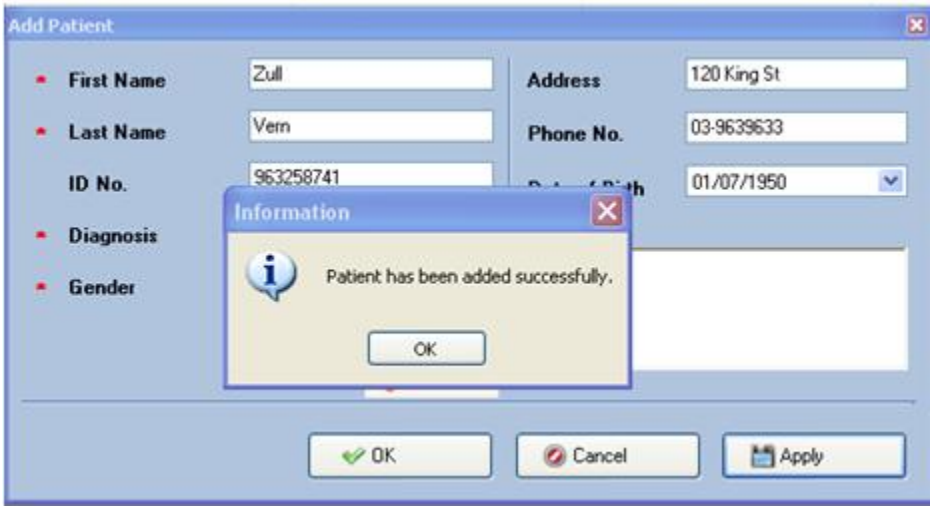
1- Go to **Patients**

2- Press **Add**

3- Fill **all details**

4- Press **Apply**; Information message will appear





Edit patient

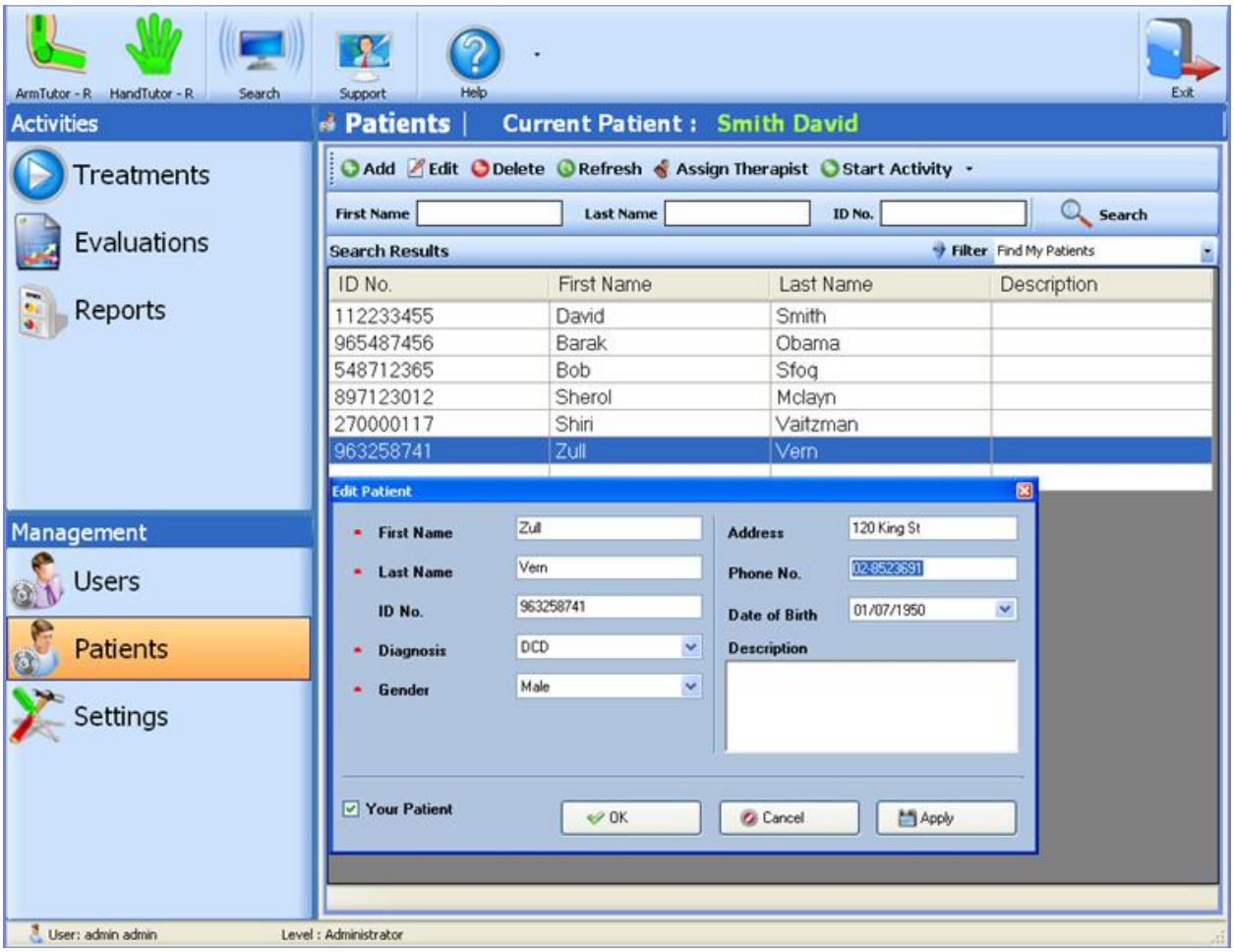
To edit a patient follows next instructions:

1- Choose **patient** from list

2- Press **Edit**

3- Change **any details**

4- Press **Apply**; Information message will appear



Delete patient

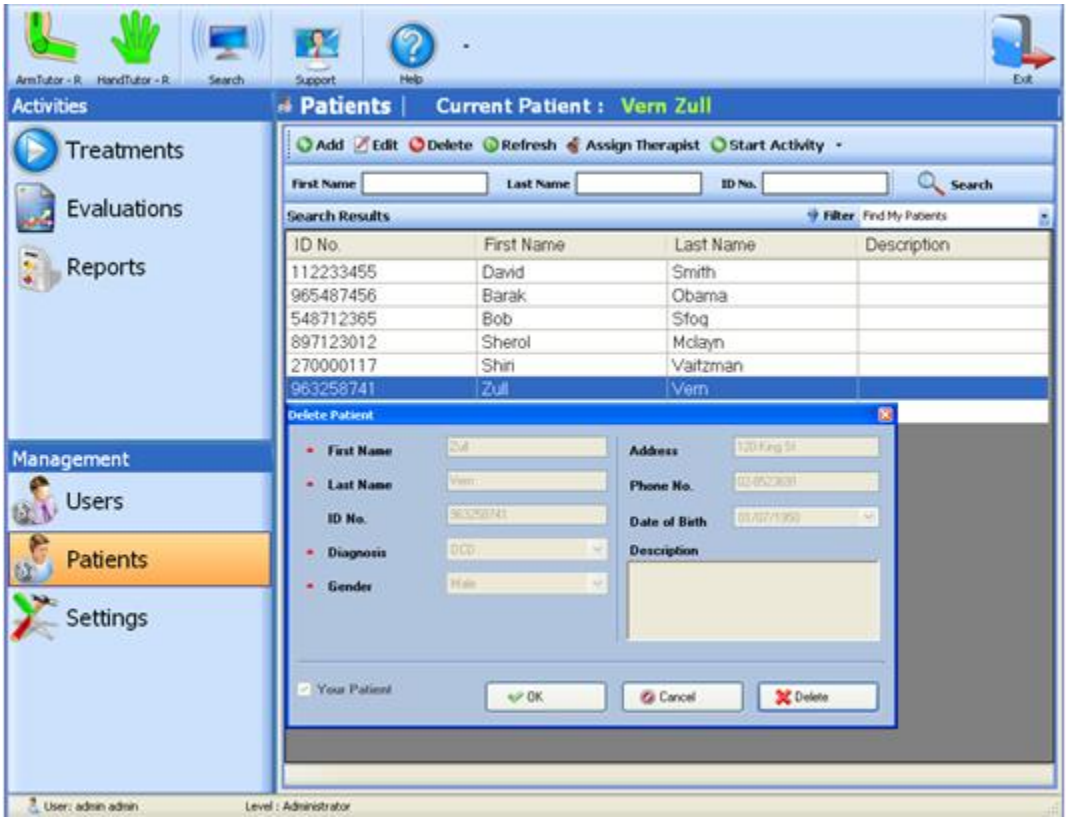
To delete patient follows next instructions:

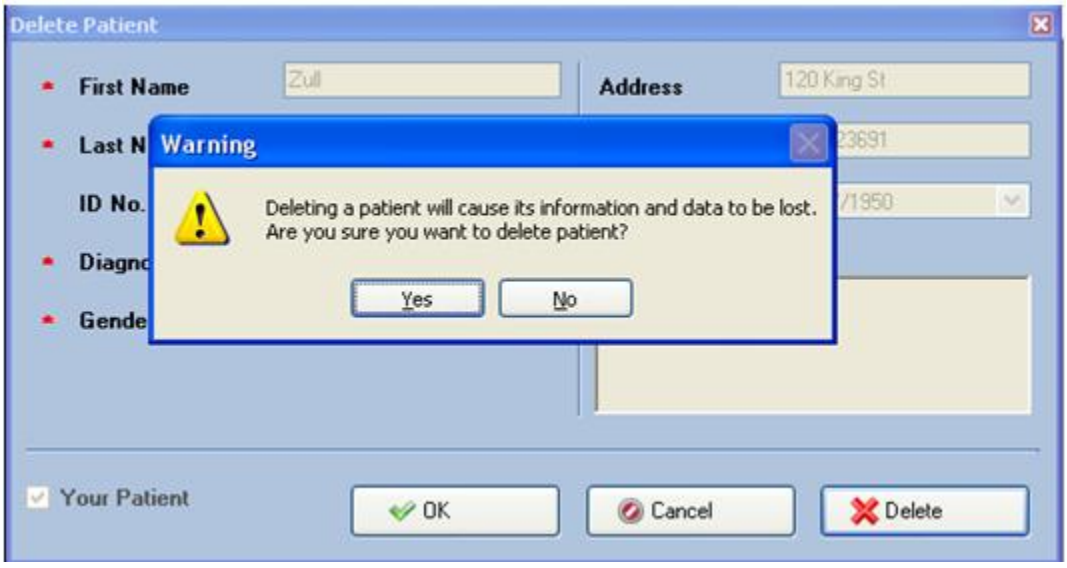
1- Choose **patient** from list

2- Press **Delete**

3- **Delete Patient** screen will appear; press **Delete**

4- Warning message will appear; press **Yes**





Assign Therapist

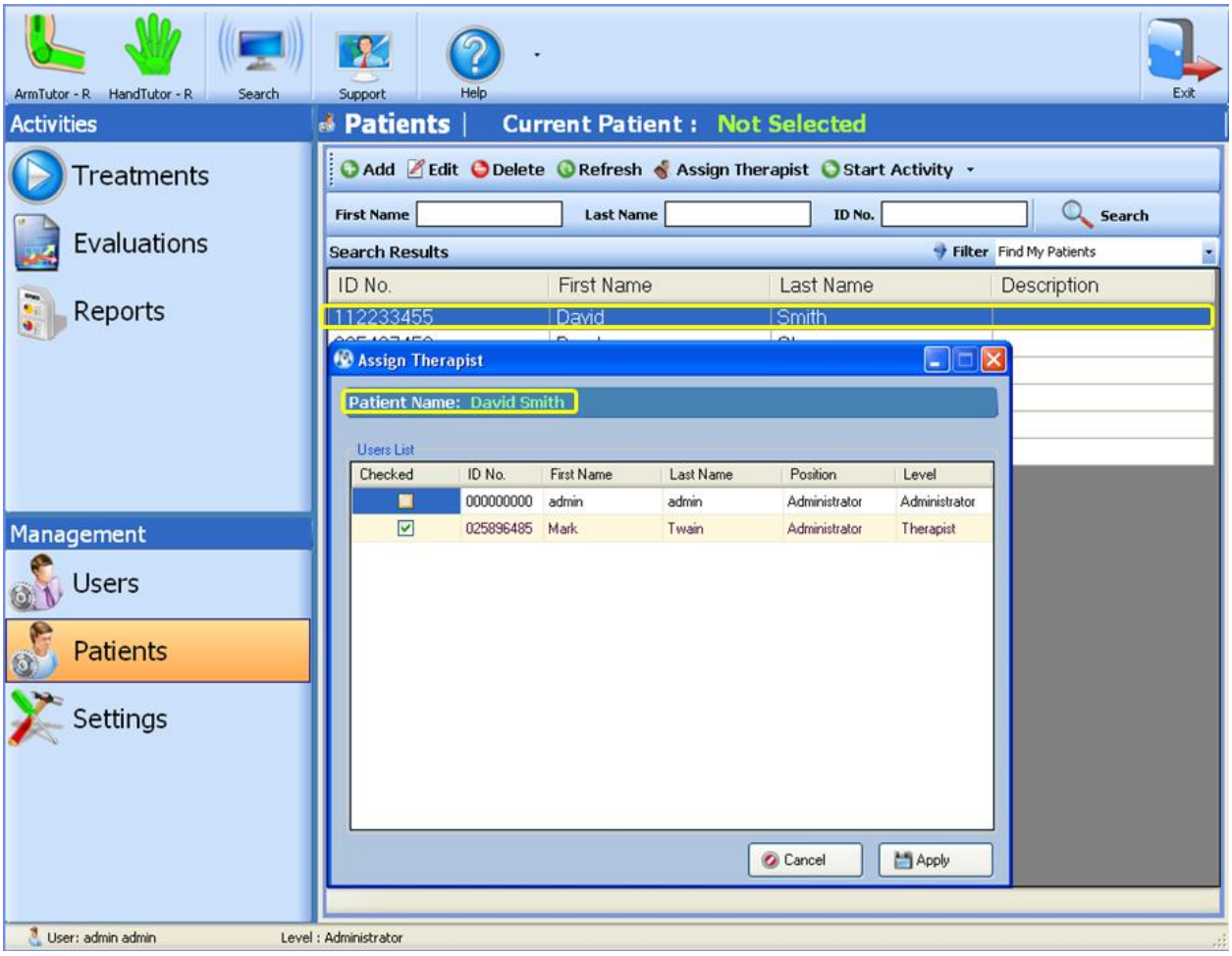
To assign therapist to patient follows next instructions:

1- Choose **patient** from list

2- Press **Assign Therapist**

3- Check **Assign** from user list

4- Press **Apply**



Select Patient and Start Activity

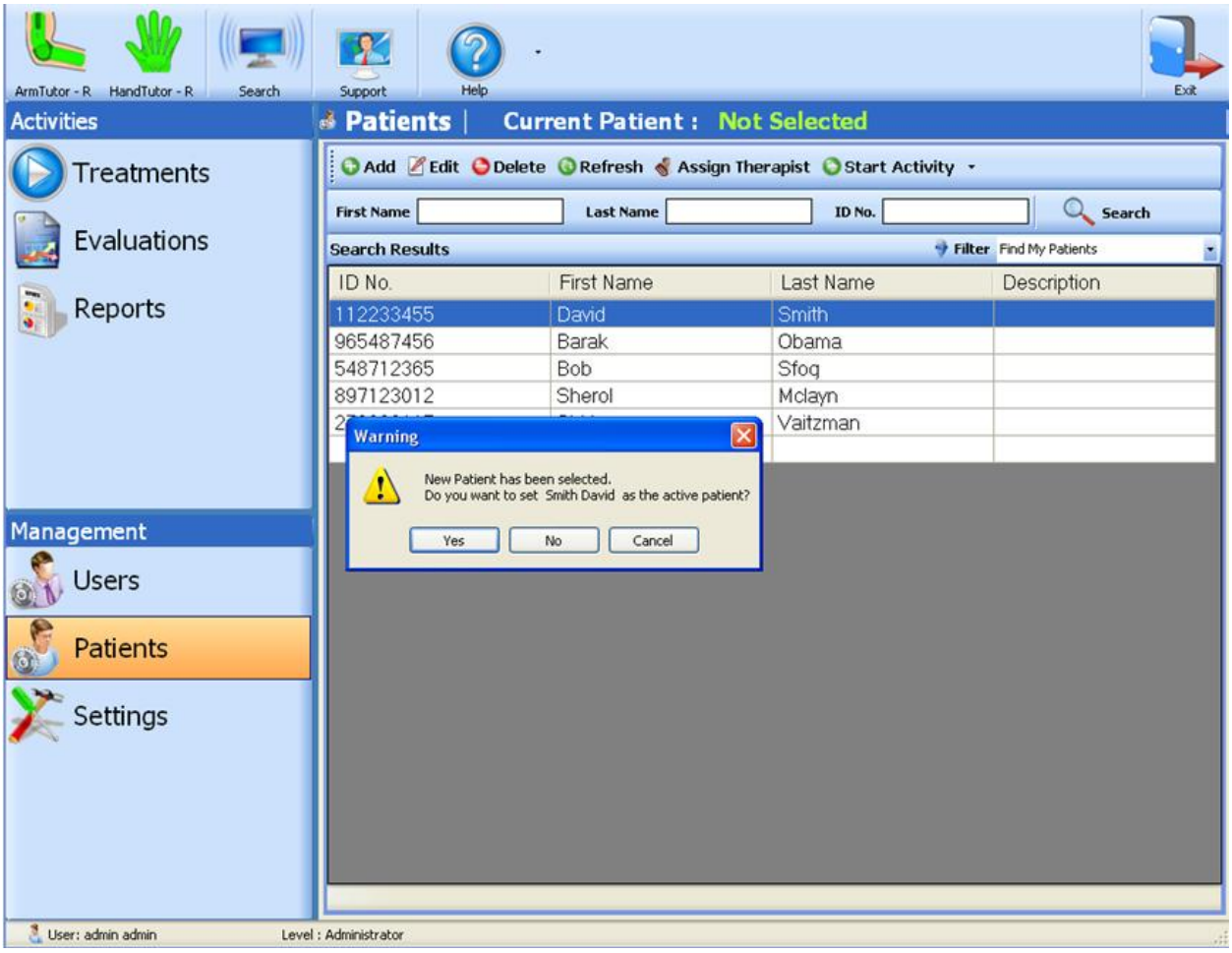
To select a patient follows next instructions:

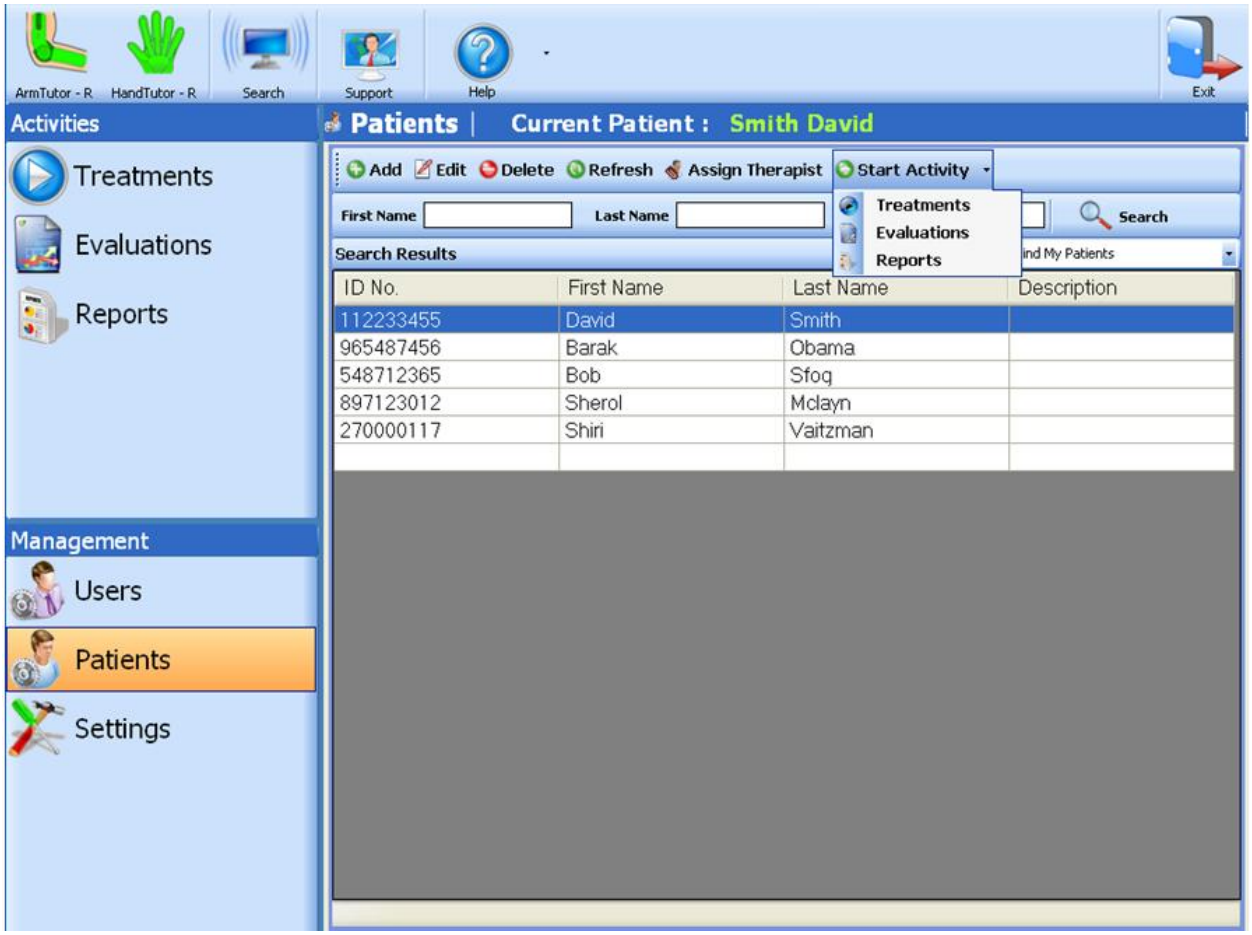
1- Choose **patient** from list and press Enter

2- Press **Yes**

3- **Current Patient** will display the user name

4- Press **Start Activity** to choose from menu





Search and Filter patient

To search a patient or find quickly follows next instructions:

1- Go to **Patients**

2- Insert into **First Name** or **Last Name** or **ID No.** some value

3- **Results** will appear in table

4- Press on **Filter** and choose **My Patients** or **All Patients**

5- **Results** will appear in table

Management – Settings

This section allows the user to change language, appearance style and watch system information.

Appearance

How to change MediTutor Language

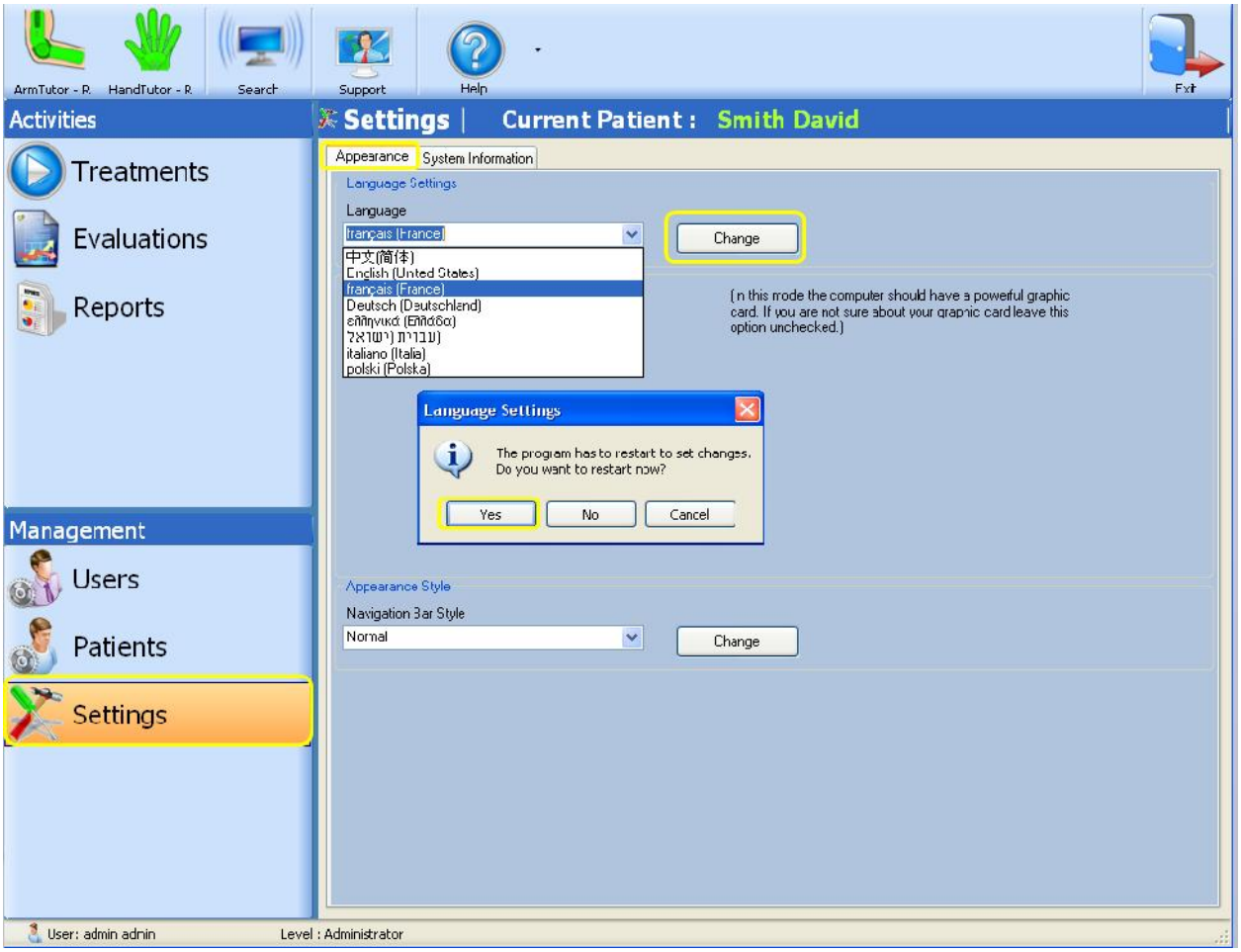
To change MediTutor language follows next instructions:

1- Go to **Settings**

2- Choose **Appearance**

3- Choose language and press C**hange**

4- Press **Yes**



How to change Navigation Bar Style

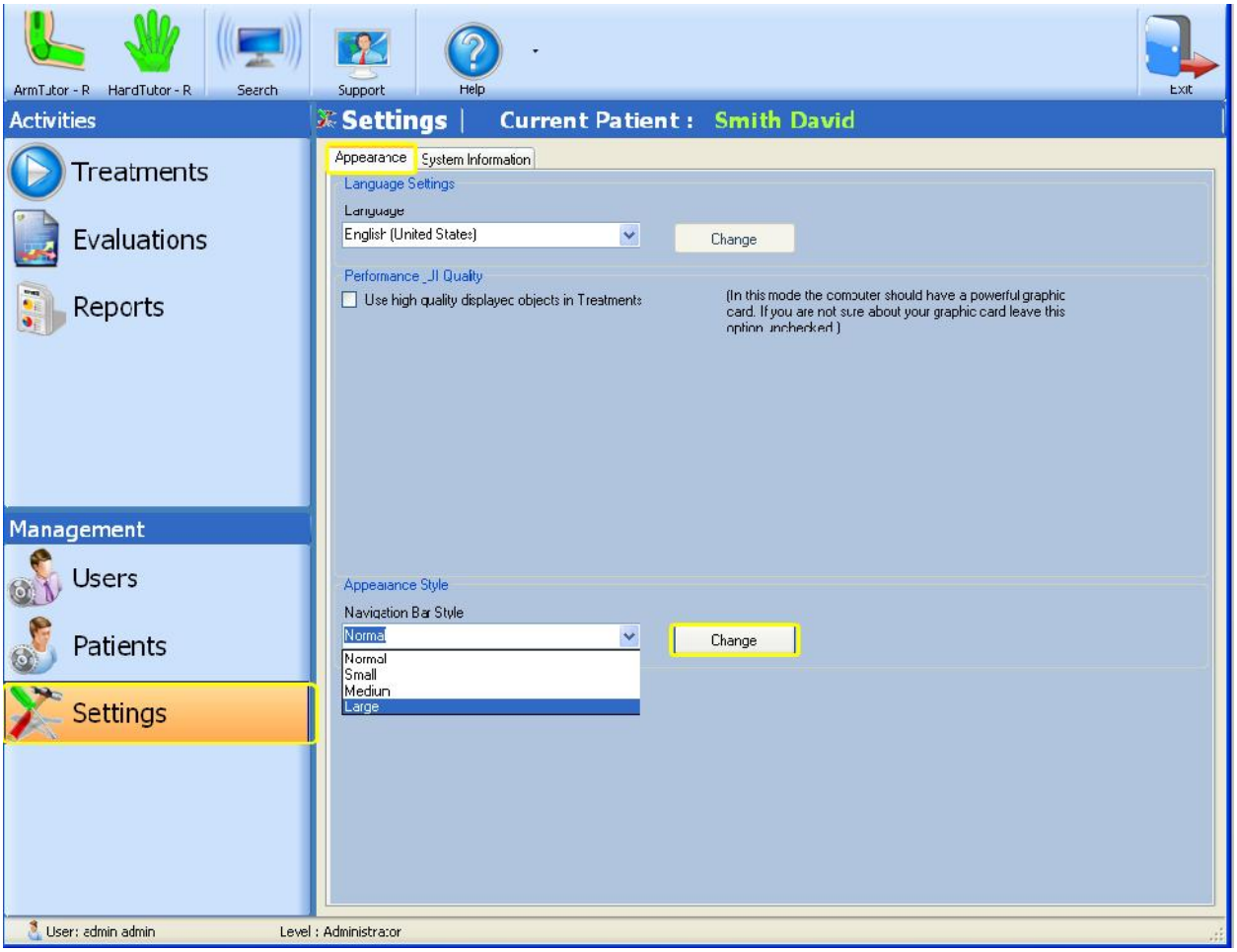
To change MediTutor navigation bar follows next instructions:

1- Go to **Settings**

2- Choose **Appearance**

3- Choose bar style and press C**hange**

4- Press **Yes**



System Information

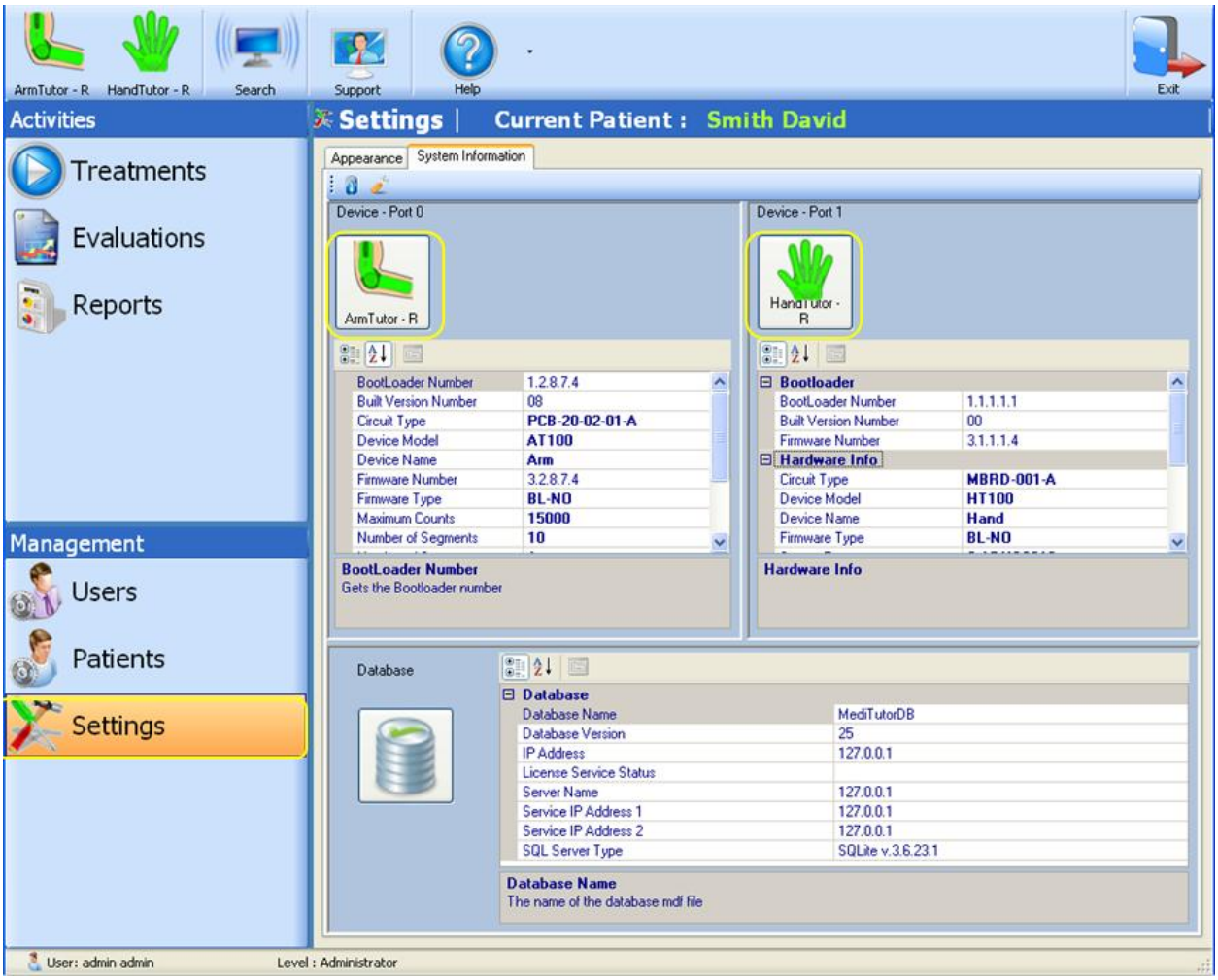
How to see Device and database details

To watch device and database details follows next instructions:

1- Connect a **device(s)** and go to **Settings**

2- Choose **System Information**

3- **Device(s) and database** information will appear



How to see Wireless Devices setting

To watch wireless devices setting follows next instructions:

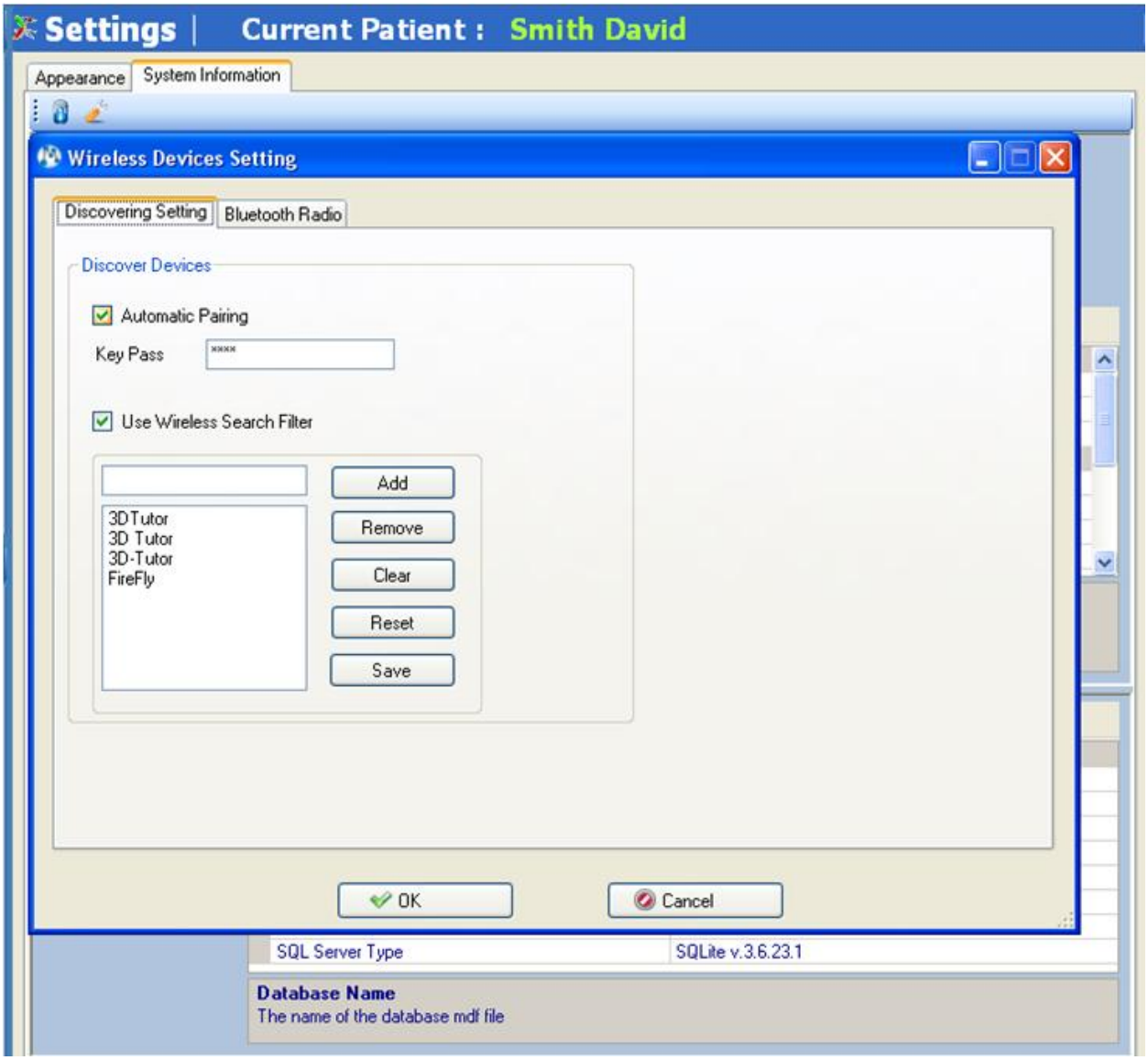
1- Connect a **3DTutor** and go to **Settings**

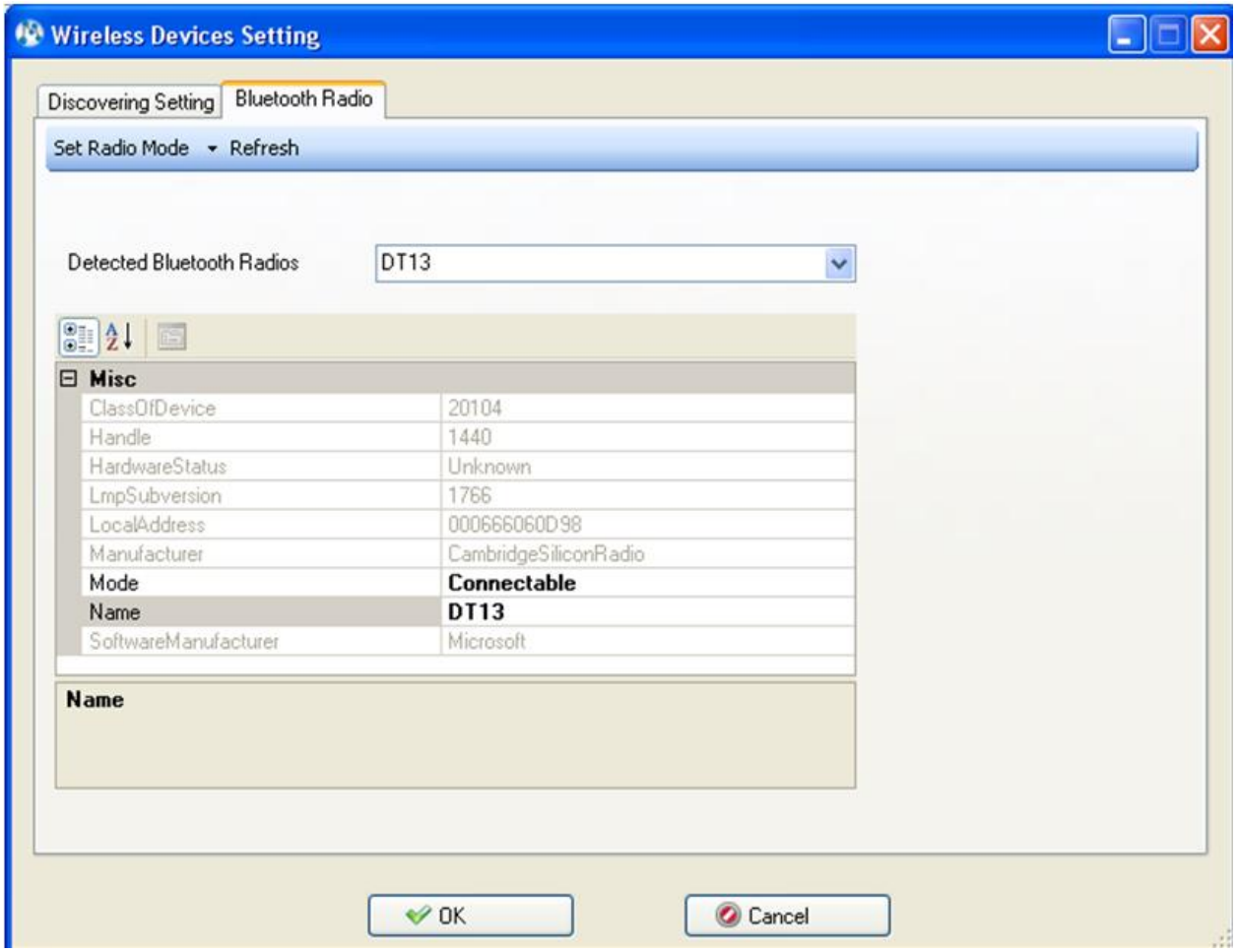
2- Choose **System Information**

3- Press **Wireless Devices Setting**

4- **3DT setting** will appear in **Discovering Setting** tab

5- **Bluetooth details** will appear in **Bluetooth Radio** tab


Settings | Current Patient : Smith David
Appearance
System Information
Wireless Devices Setting
Discovering Setting
Bluetooth Radio
Discover Devices
Automatic Pairing
Key Pass
****
Use Wireless Search Filter
3DTutor
3D Tutor
3D-Tutor
FireFly
Add
Remove
Clear
Reset
Save
OK
Cancel
SQL Server Type
SQLite v.3.6.23.1
Database Name
The name of the database mdf file



How to see Support Setting

Logger severity is for developers purposes.

To change the severity log follows next instructions:

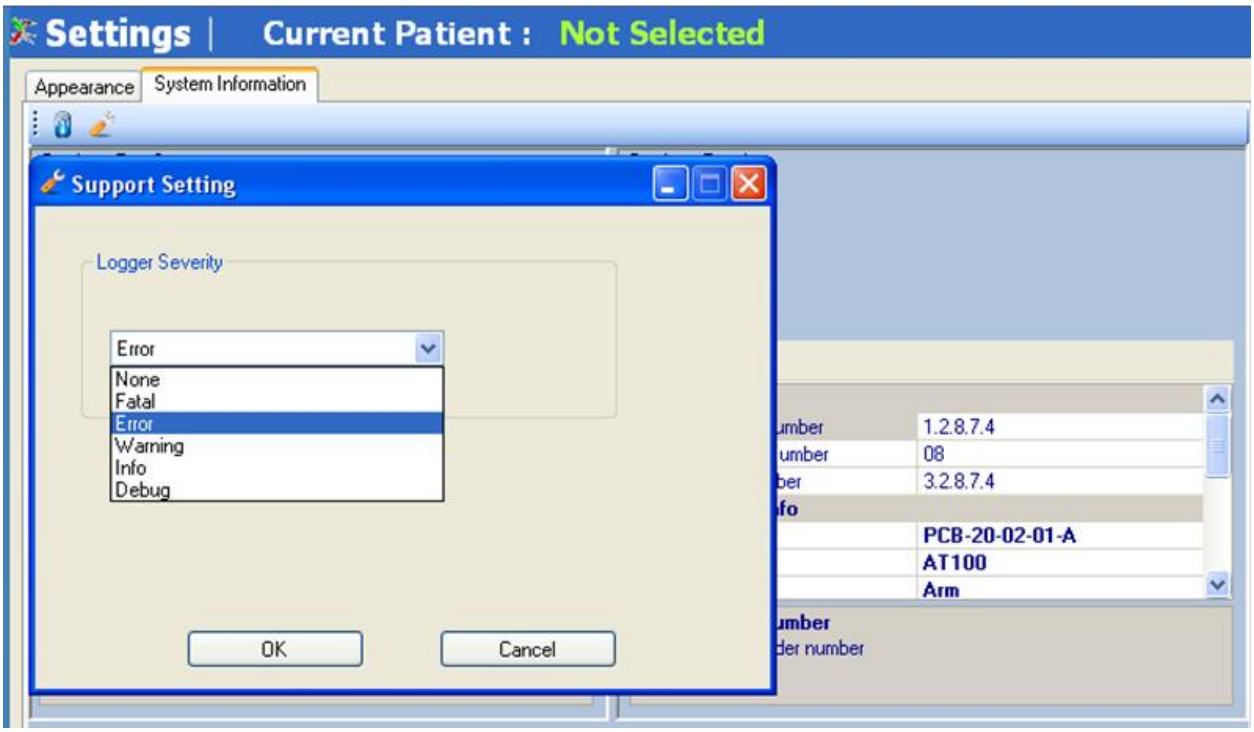
1- Go to **Setting**

2- Choose **System Information**

3- Press **Support Setting**

4- Choose **severity log**

5- Press **OK**



Activities – Treatments

The MediTutor™ system is designed to allow the patient to undertake a wide variety of clinically developed task based exercises. The program to patient interface has been designed to keep the patient motivated during the exercise program. During and after the exercise the patient receives information on his training performance. This information is known as acknowledgement of performance and acknowledgement of results. The exercise tasks are professionally designed to keep the patient motivated during their rehabilitation program.

Access to the Treatment list is facilitated by clicking on the **Treatments** button on the Activities menu found on the introductory software window:

Task exercise methodology

Explanation of exercise tasks

HandTutor

All HandTutor™ exercise tasks are based on flexion and extension movements of fingers and wrist. The tasks have been developed to work on fine motor movements of the hand and to provide augmented feedback. Exercise with the HandTutor™ therefore leads to local strengthening of muscles and motor learning.

ArmTutor

All ArmTutor™ exercise tasks are based on flexion and extension movements of elbow and shoulder. The tasks have been developed to work on fine motor movements of the arm and to provide augmented feedback. Exercise with the ArmTutor™ therefore leads to local strengthening of muscles and motor learning.

LegTutor

All LegTutor™ exercise tasks are based on flexion and extension movements of knee and hip.

The tasks have been developed to work on fine motor movements of the leg and to provide augmented feedback. Exercise with the LegTutor™ therefore leads to local strengthening of muscles and motor learning.

3DTutor

All 3DTutor™ exercise tasks are based on physiotherapeutic movements of joint. See Dynamic range setting to see all types. The tasks have been developed to work on fine motor movements of the each joint and to provide augmented feedback. Exercise with the 3DTutor™ therefore leads to local strengthening of muscles and motor learning.

Customizing game to impairments

MediTutor™ exercises work on improving joint impairments. The exercise tasks are very flexible and can be tailored to each individual patient's level of joint motor and cognitive impairment. This task flexibility allows for a tailoring of the exercise task so that the patient stays motivated and challenged to perform at their best and thus gain maximum benefit from the treatment session. Information regarding the extent of the patient's impairment can be gained from the evaluation tasks included in the MediTutor software. A list of the impairment that each task works on is listed in red when the user chooses the exercise task.

Feedback and learning

The patient receives constant and immediate feedback on his motor movements at all times during the exercise task. This allows the patient to correct his movements according to the objective of the task. After completion of the exercise task the patient receives input on his performance by means of an exercise result score.

Further task customization

Once the task is completed the therapist can further customize the task in order to work on different impairments if required e.g. accuracy of movement as opposed to speed of movement. Alternatively the same impairment can be worked on by repeating the task using the same parameters at the same difficulty level or by changing the parameters to make the task more or less difficult for the impairment.

Dynamic Range Setting

Each time user enters to an exercise session the ROM of his limb must be set, in order to perform full settings of the device run treatment and follow the instructions:

HandTutor setting

To take **HandTutor setting** follows the next instructions:

1- Connect **HandTutor** and put on

2- Choose **patient**

3- Go to **Treatments** and start a treatment

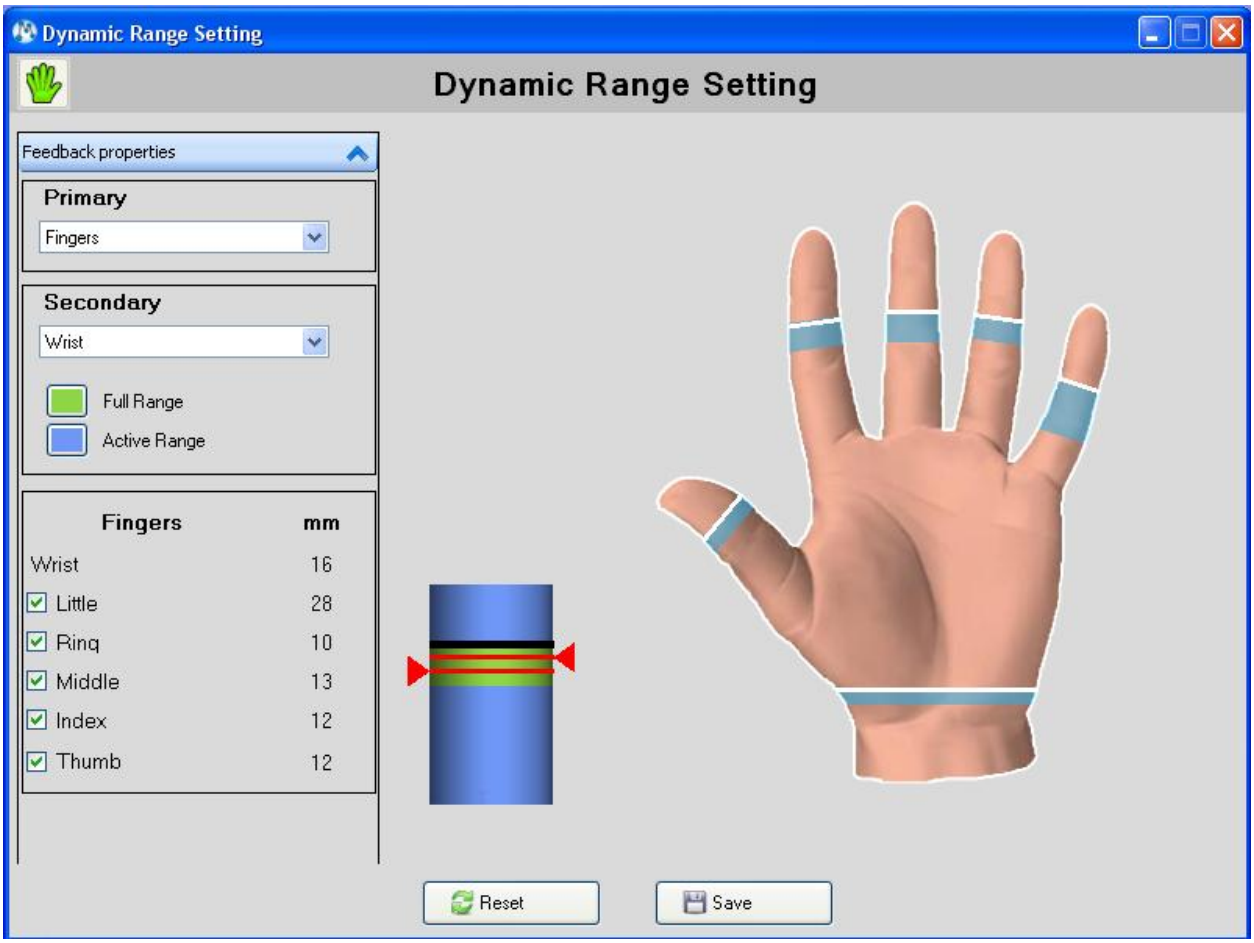
4- **Dynamic Range Setting** will appear

5- Choose from **Primary** Fingers or Wrist

6- You may choose **Secondary**

7- Extend and flex **HandTutor** in order to take **ROM**, in millimeters

8- Press **Save**



ArmTutor setting

To take **ArmTutor setting** follows the next instructions:

1- Connect **ArmTutor** and put on

2- Choose **patient**

3- Go to **Treatments** and start treatment

4- **Dynamic Range Setting** will appear

5- Choose from **Primary** Elbow or Shoulder

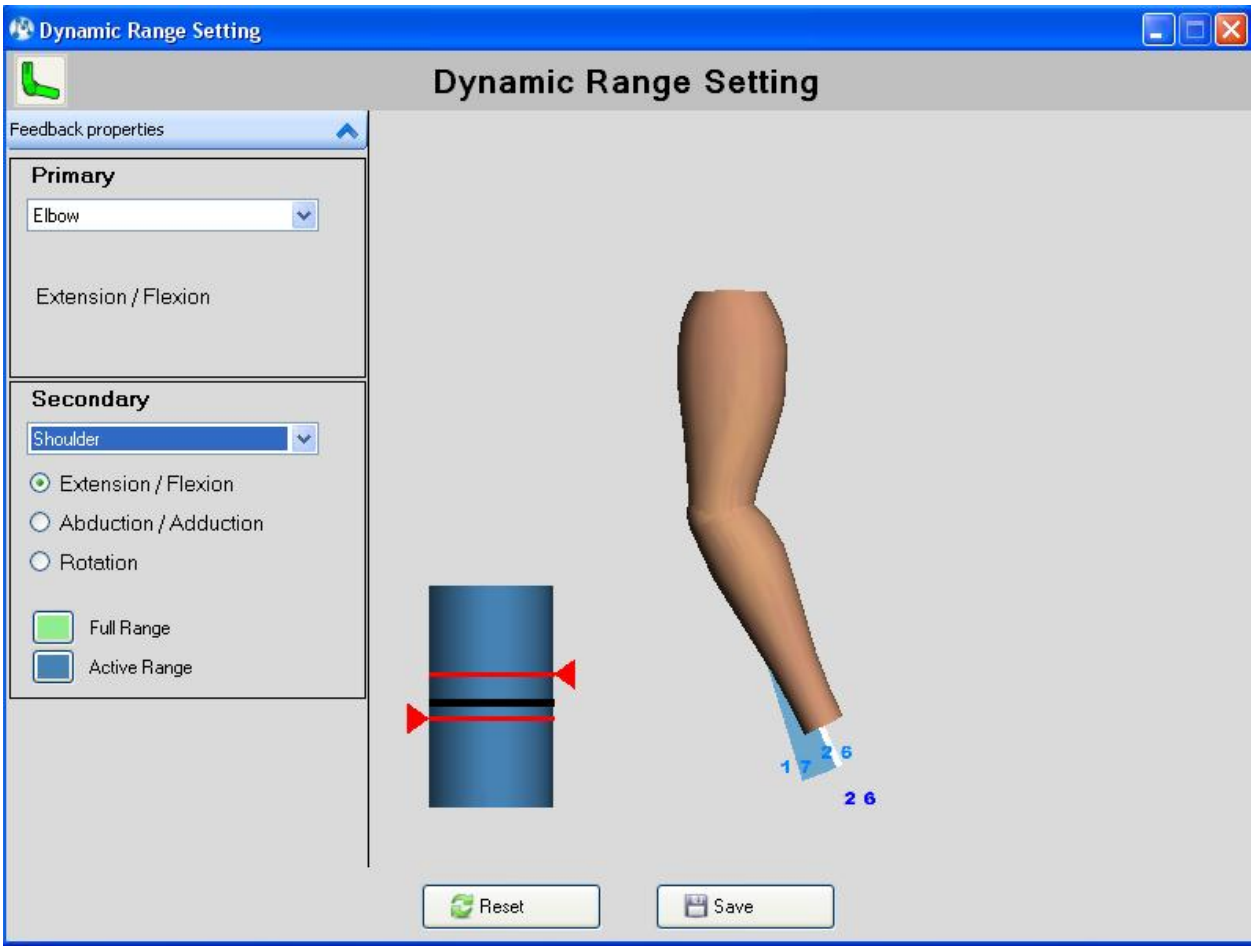
6- You may choose **Secondary**

7- Move the **ArmTutor**

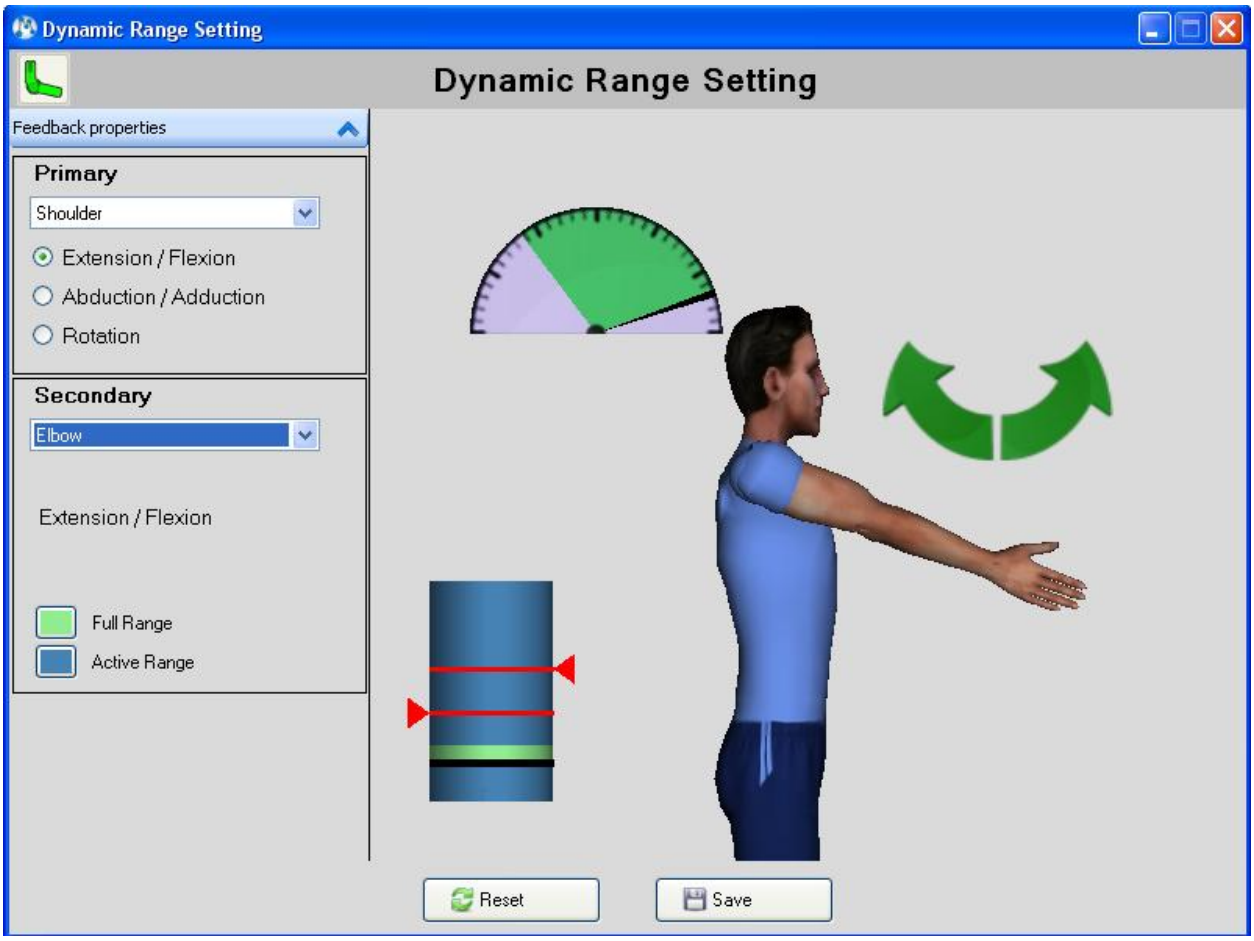
8- Note it takes **ROM in degrees**

9- Press **Save**

Elbow view



Shoulder view



LegTutor setting

To take **LegTutor setting** follows the next instructions:

1- Connect **LegTutor** and put on

2- Choose **patient**

3- Go to **Treatments** and start treatment

4- **Dynamic Range Setting** will appear

5- Choose from **Primary** Knee or Hip

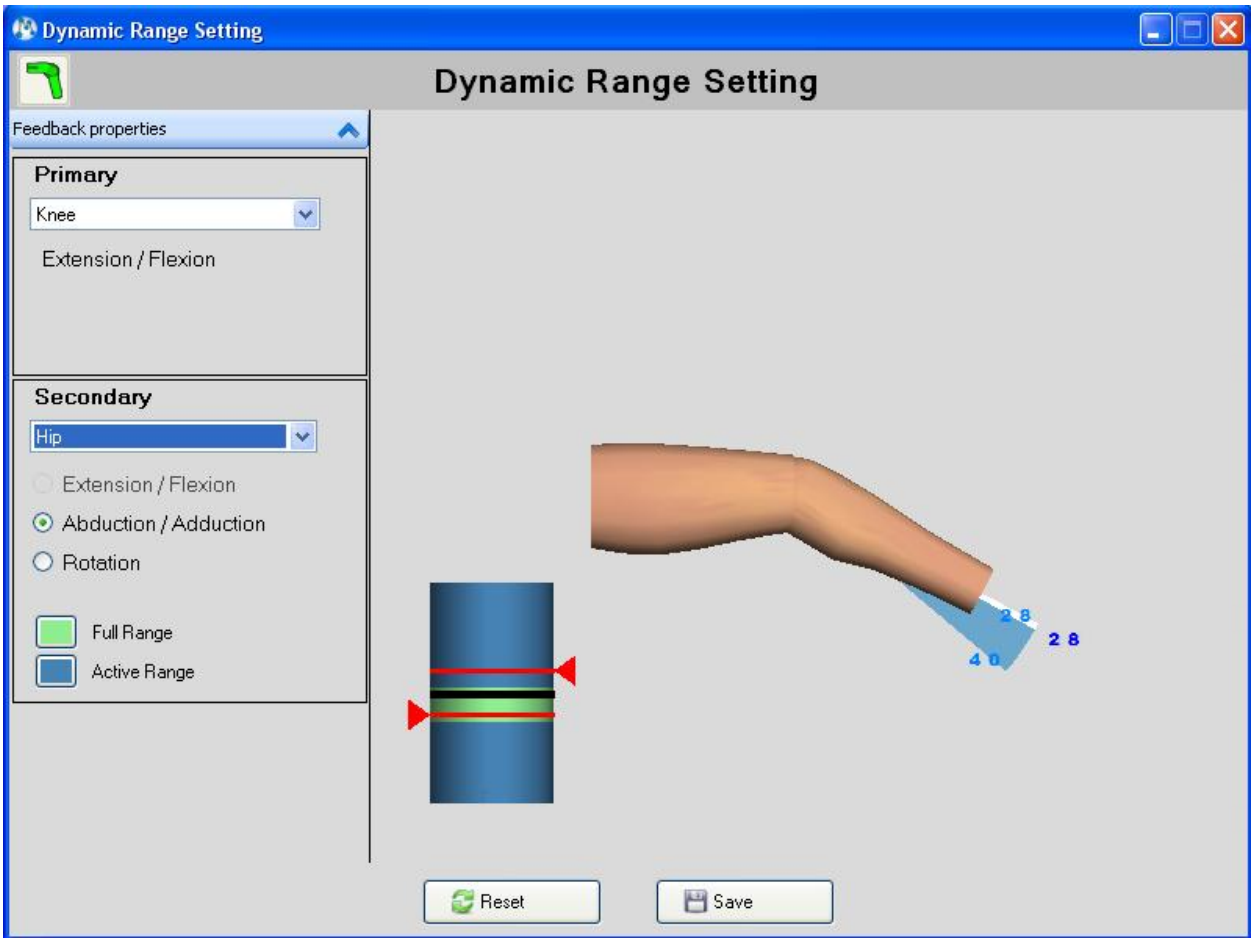
6- You may choose **Secondary**

7- Move the **LegTutor**

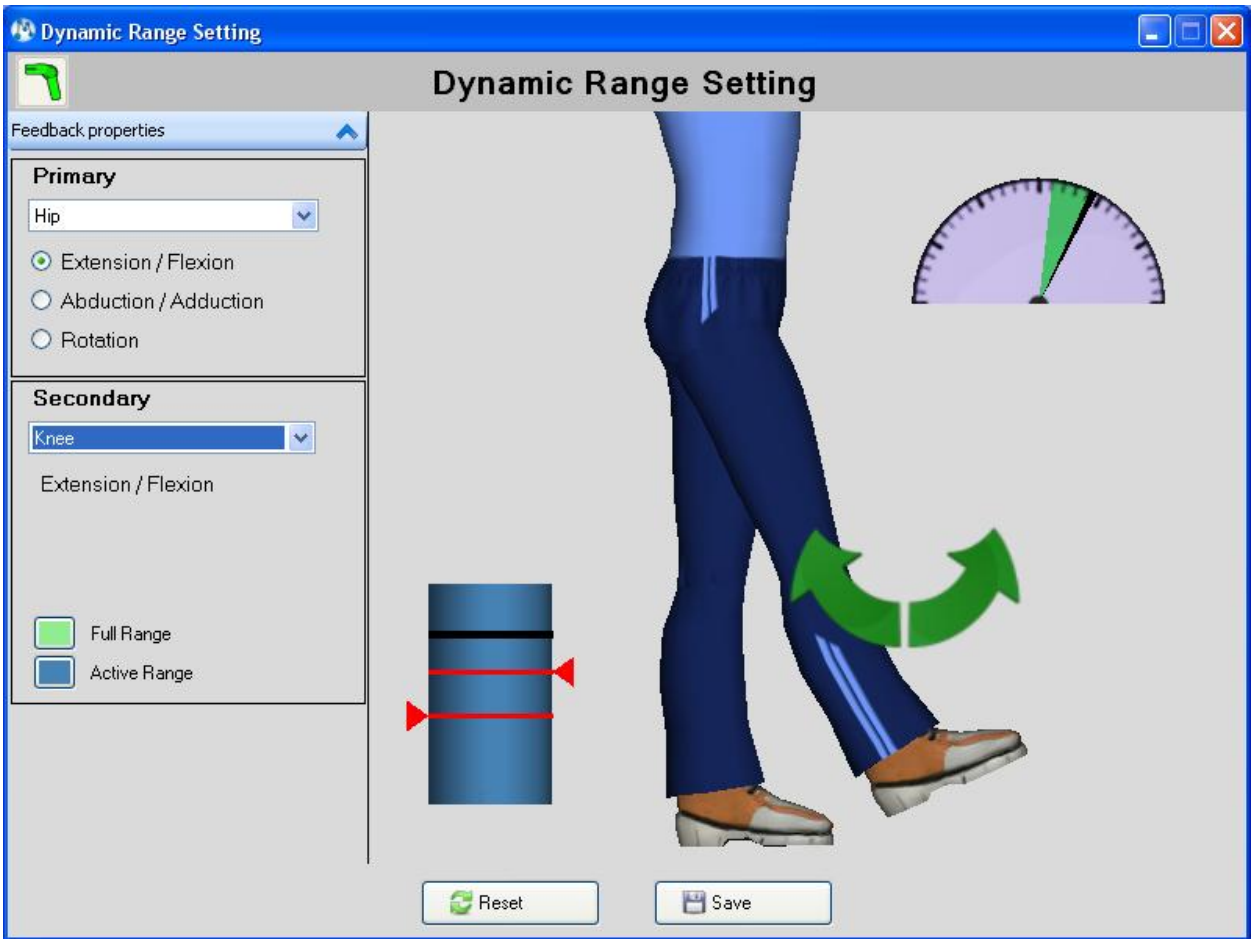
8- Note it takes **ROM in degrees**

9- Press **Save**

Knee view



Hip view



3DTutor setting

To take **3DTutor setting** follows the next instructions:

1- Connect **3DTutor**

2- Choose **patient**

3- Go to **Treatments** and start treatment

4- **Dynamic Range Setting** will appear

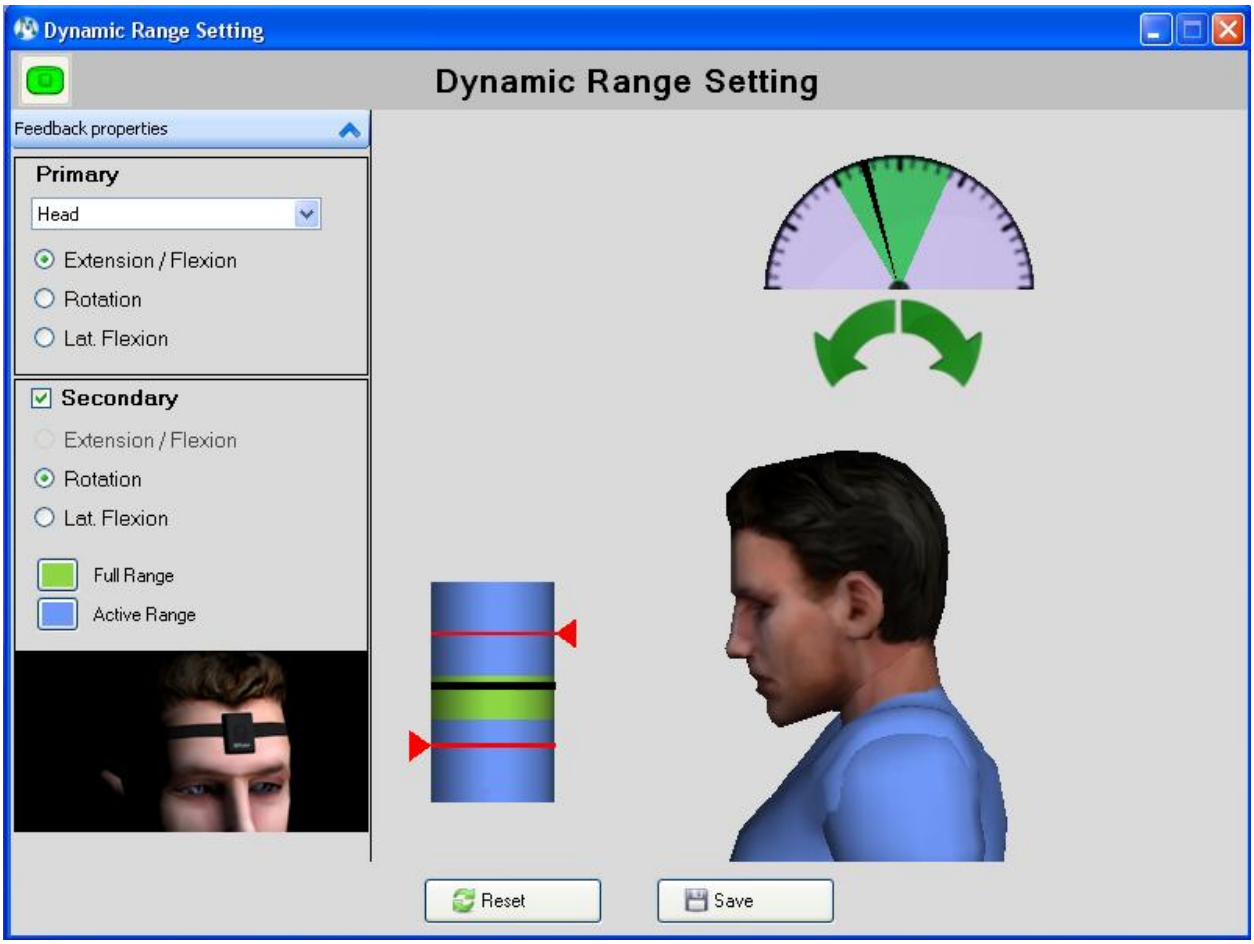
5- Choose your **Primary** from the list and put on

6- You may check **Secondary**

7- Move the **3DTutor**

8- Note it takes **ROM in degrees**

9- Press **Save**



All types

Head

Trunk

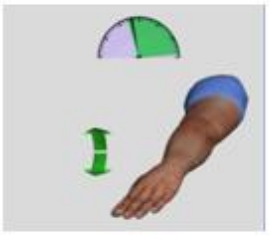
Left Shoulder

Right Shoulder

Left Elbow

Right Elbow

Left Wrist



Right Wrist

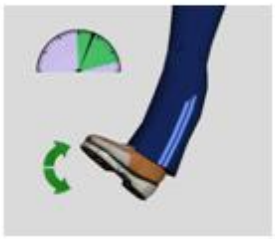
Left Hip

Right Hip

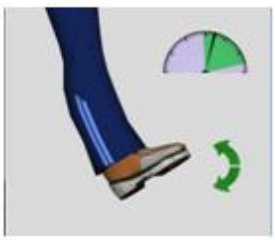
Left Knee

Right Knee

Left Ankle



Right Ankle



Treatment setting

Treatment setting is used to set parameters according to the impairment and level to be worked on.

Treatment Control Panel

Each treatment screen has control panel. See the following explanation for each button:

To start treatment

To stop treatment

To open Dynamic Range Setting

To open Treatment Setting

To close treatment

How to start treatment

To **Start Treatment** follows the next instructions:

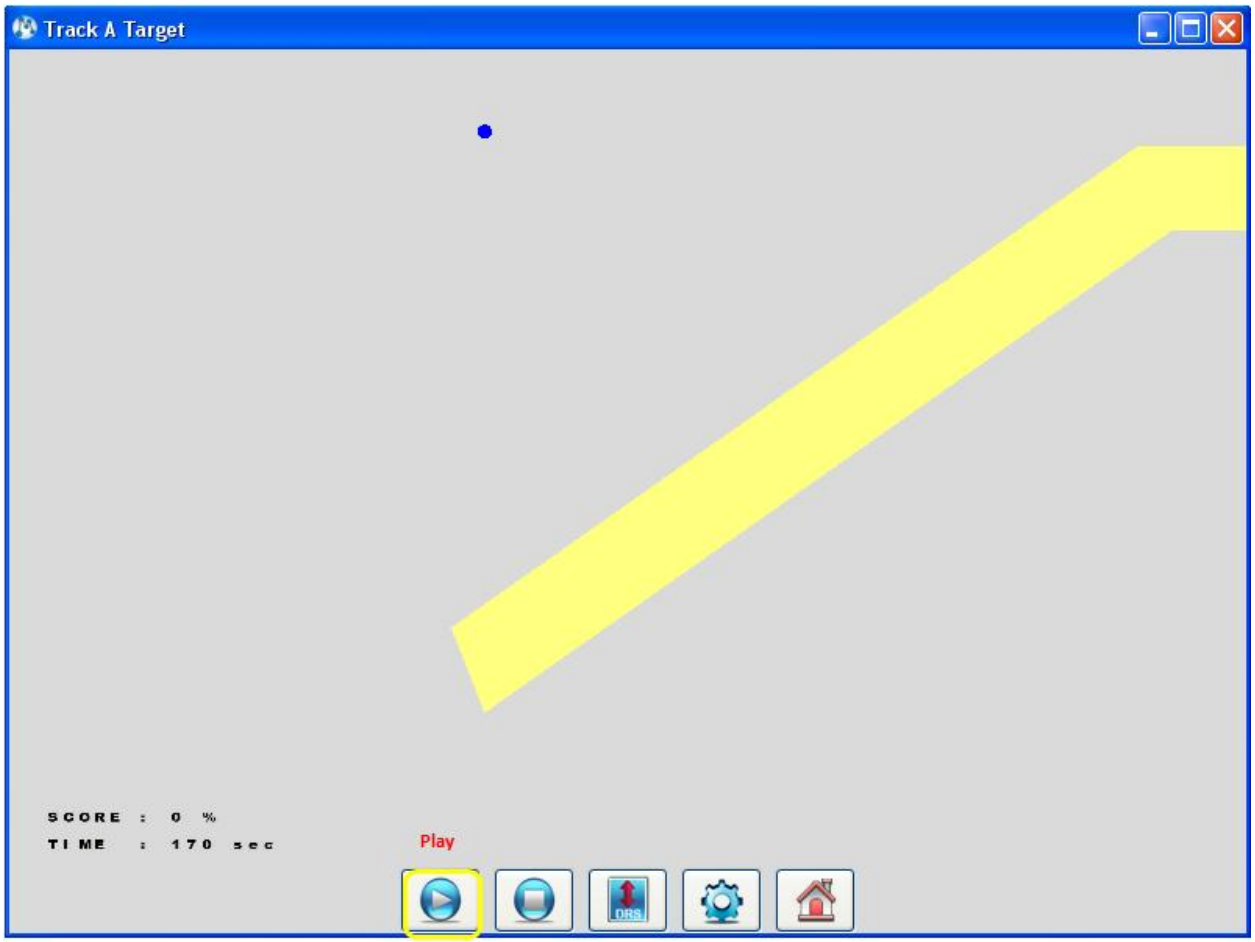
1- **Connect and calibrate** the device and go to Treatments

2- **Select some treatment** and press double click

3- **DRS** window will appear. **Take ROM** and press Save

4- **Treatment** window will appear.

5- Press on **Start** button



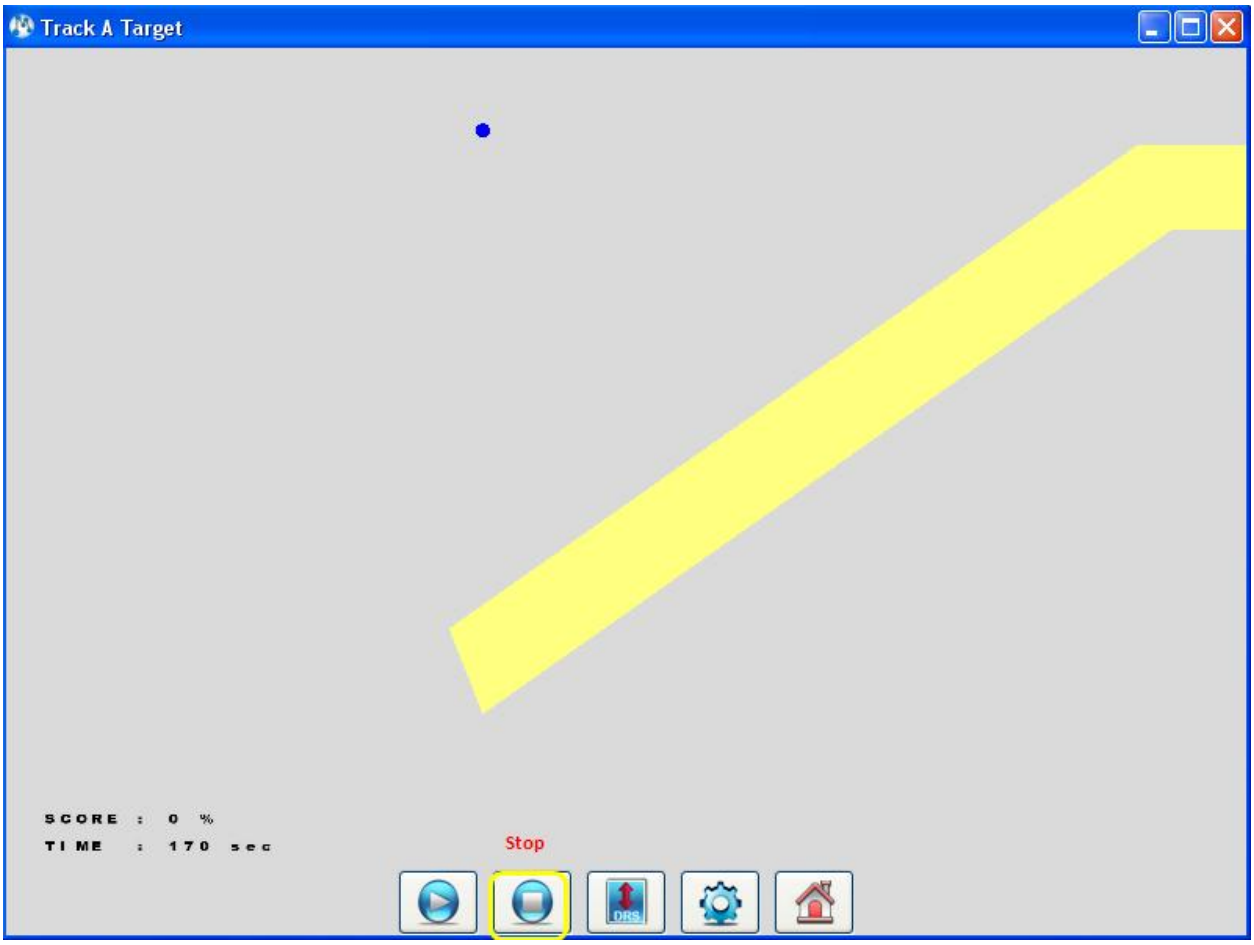
How to stop treatment

To **Stop Treatment** follows the next instructions:

1- **Start** any treatment

2- Treatment will **run**

3- Press on **Stop** button



How to open DRS window

To open **Dynamic Range Setting** (DRS) follows the next instructions:

1- Go to **Treatments**

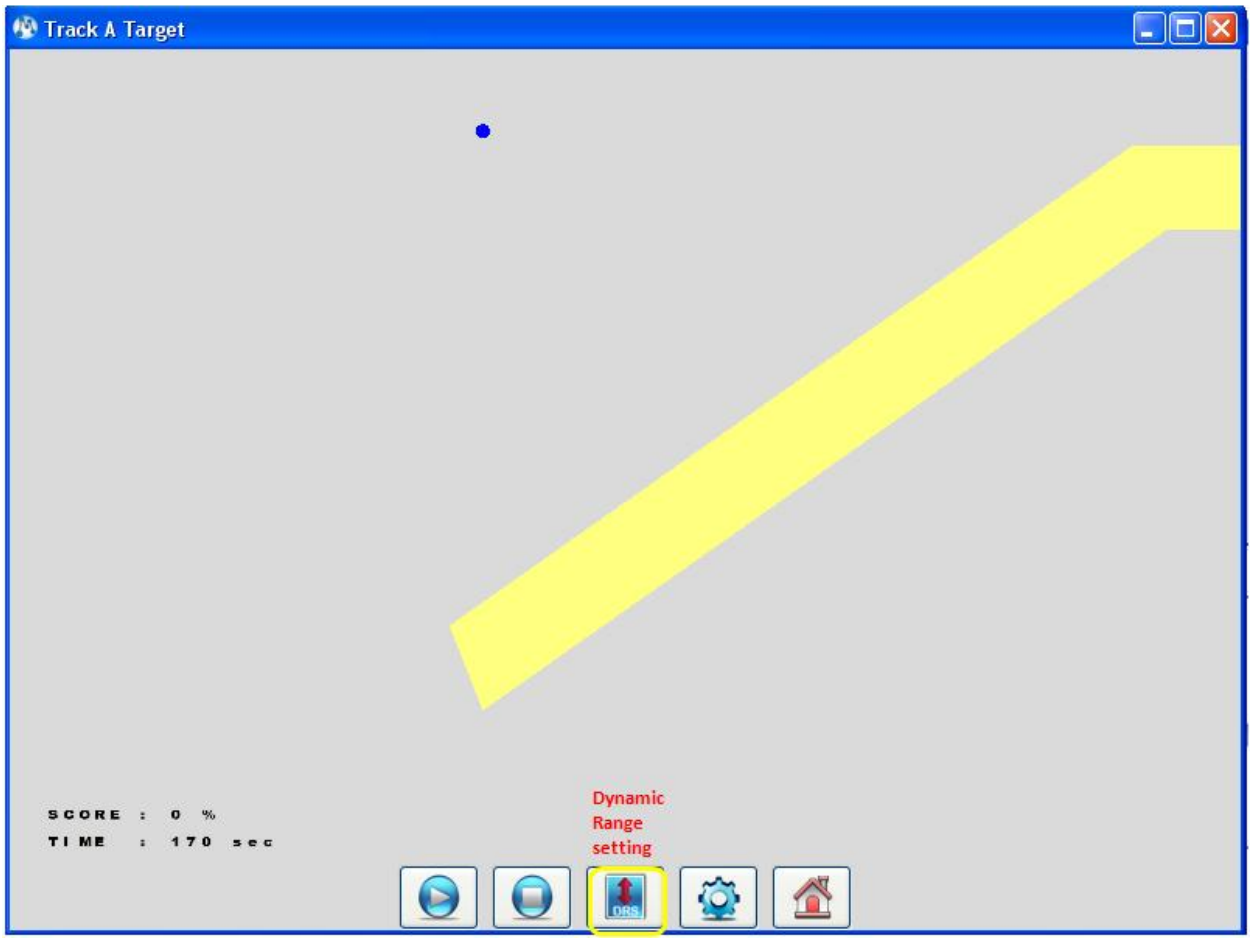
2- **Select some treatment** and press double click

3- **DRS** window will appear

4- Press **Save**

5- **Treatment** window will appear.

6- Press on **DRS** button

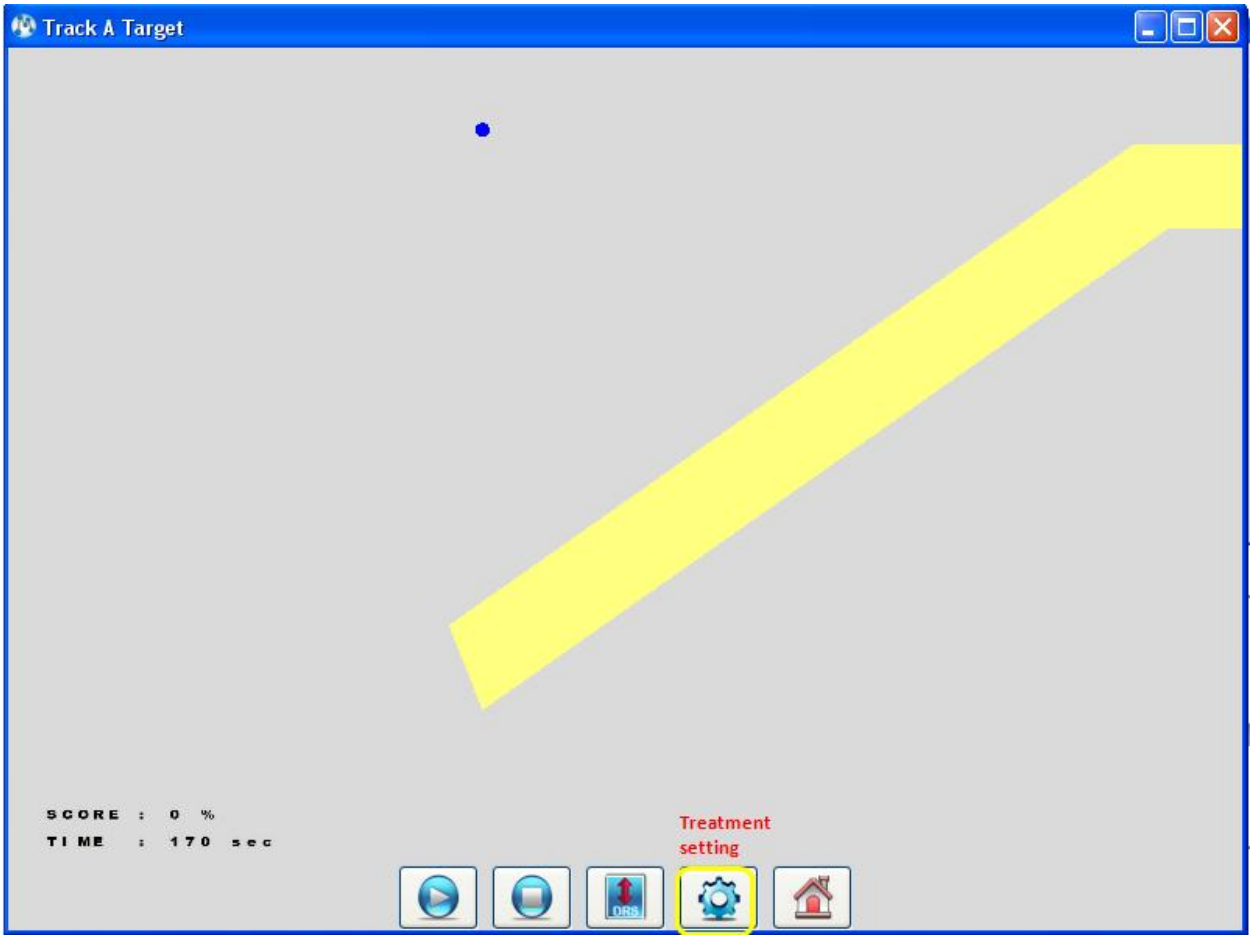


How to open Treatment Setting window

To **open Treatment Setting** follows the next instructions:

1- **Open** any treatment

2- Press on **Treatment Setting** button



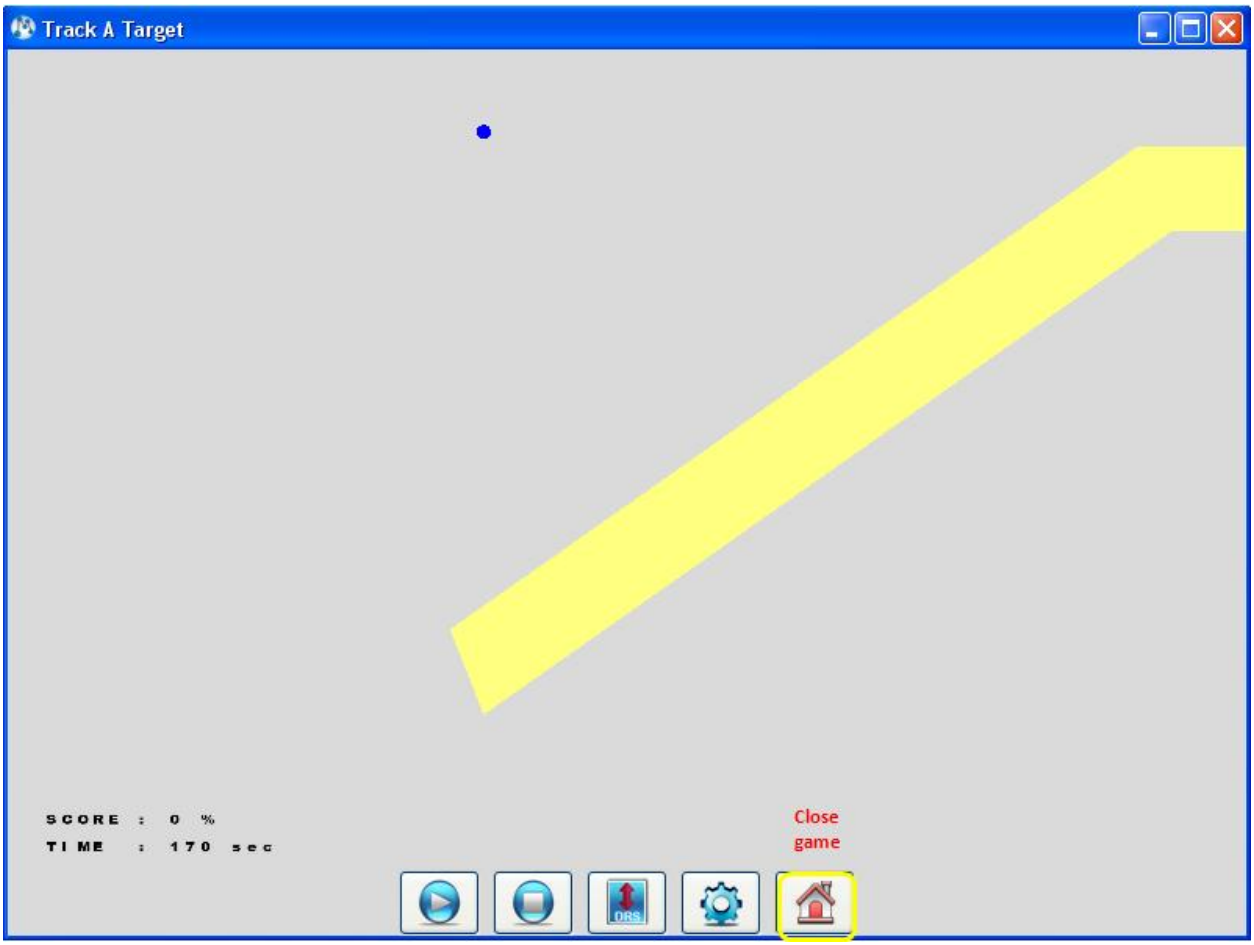
How to close Treatment

To **close** t**reatment** follows the next instructions:

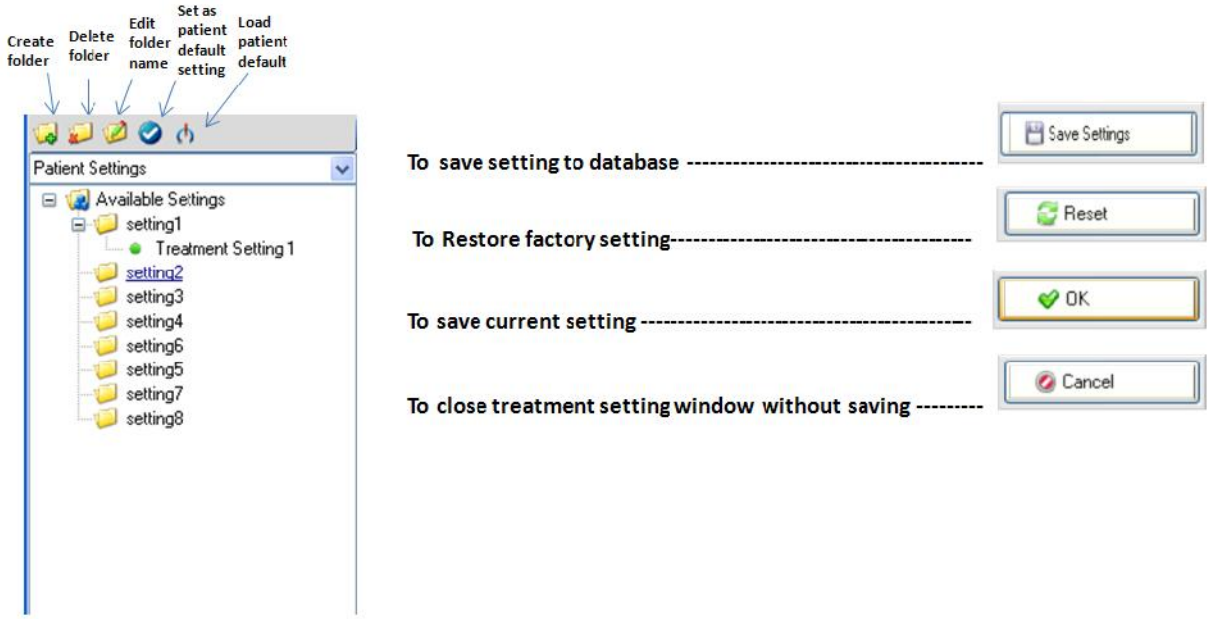
1- **Open** any treatment

2- **Treatment** window will appear.

3- Press on **Close** button



Setting Control Panel



How to save settings to database

To **save treatment setting** follows the next instructions:

1- Open some treatment and press on **Treatment Setting**

2- Set your **parameters**

3- Press on **Save Settings**

4- **Save Treatment Setting** will appear

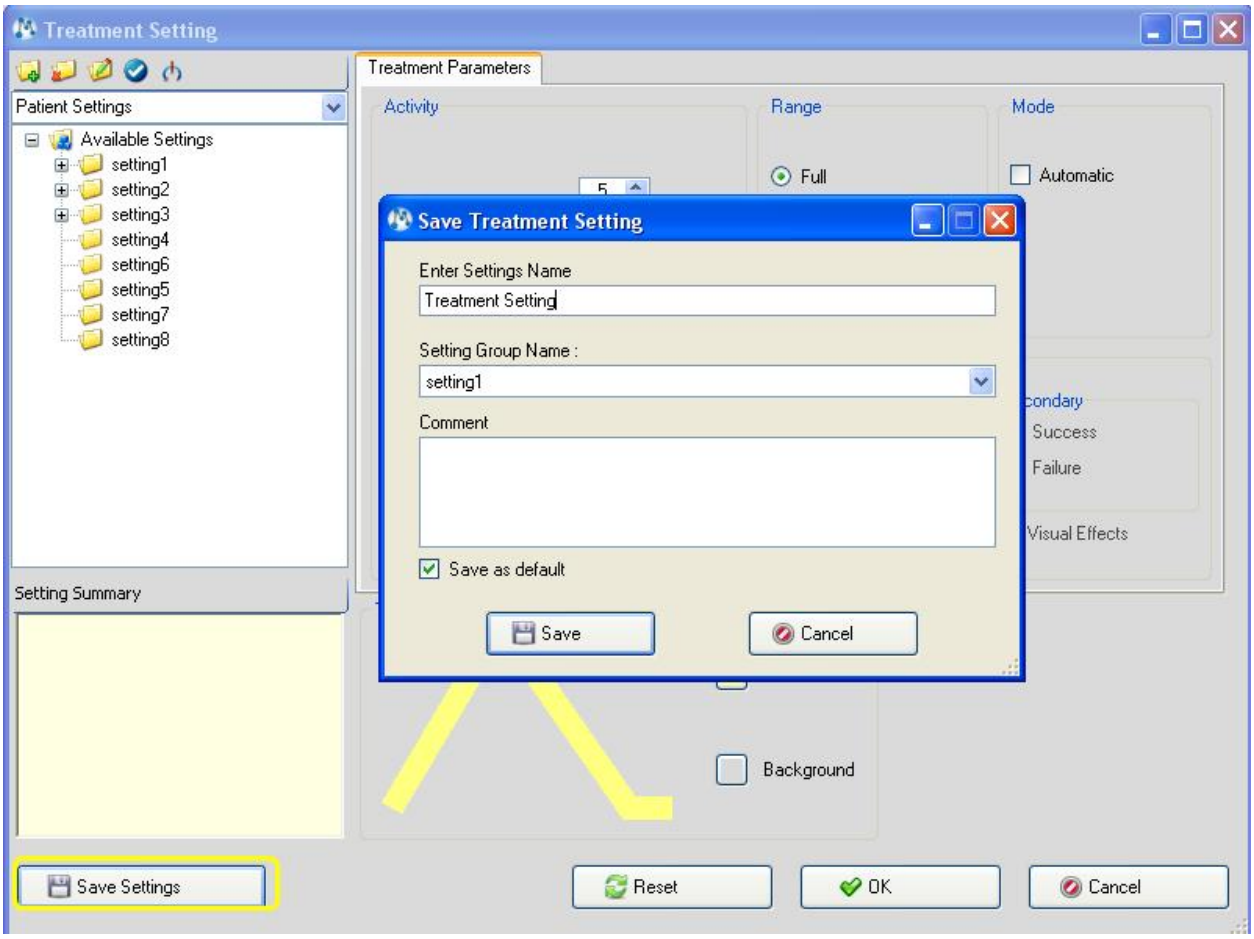
5- Enter **settings name**

6- Choose **setting group name**

7- You may enter a comment

8- If you desire to save it as patient default then mark **Save as default**

9- Press **Save.** The saved item will appear under the **setting tree**.



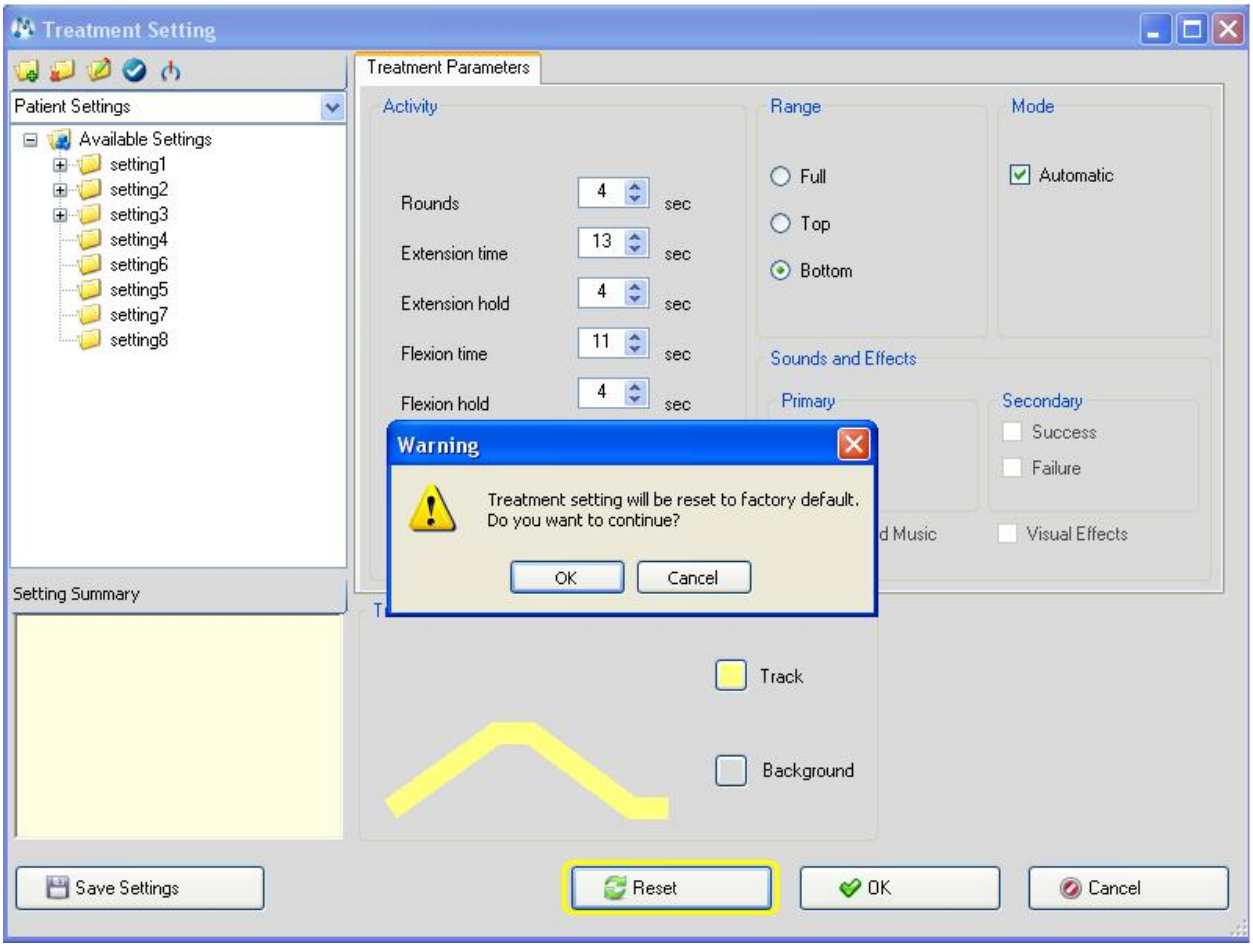
How to reset settings to factory default

To **rest setting** follows the next instructions:

4- Open a **Treatment Setting** of some treatment

5- Press on **Reset**

6- Press **OK**



How to save current settings

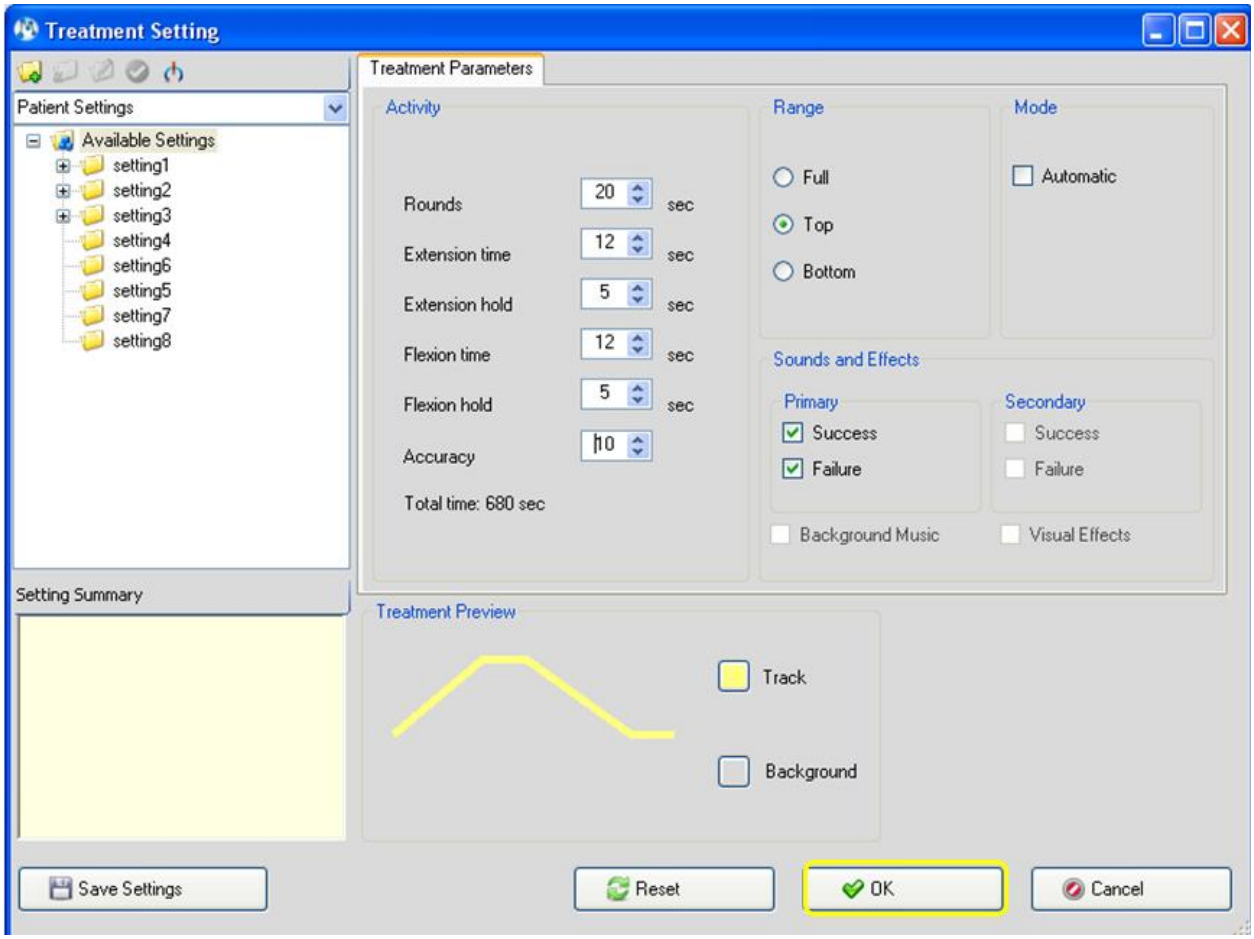
To **save current setting** follows the next instructions:

1- Open **Treatment Setting** of some treatment

2- Set your **parameters**

3- Press on **OK**

4- Press **Start**



Track a Target parameters

Before you start to use **Track a Target s**ee the following explanation for each parameter:

Activity

- Rounds: To set number of rounds
- Extension time: To set the duration of extension, in seconds
- Extension hold: To set time of holding extension position, in seconds
- Flexion time: To set the duration of flexion, in seconds
- Flexion hold: To set time of holding flexion position, in seconds
- Accuracy: To set the width of track

Range

- Full: Track will appear on all range
- Top: Track will appear on top of range

- Bottom: Track will appear on bottom of range

Mode

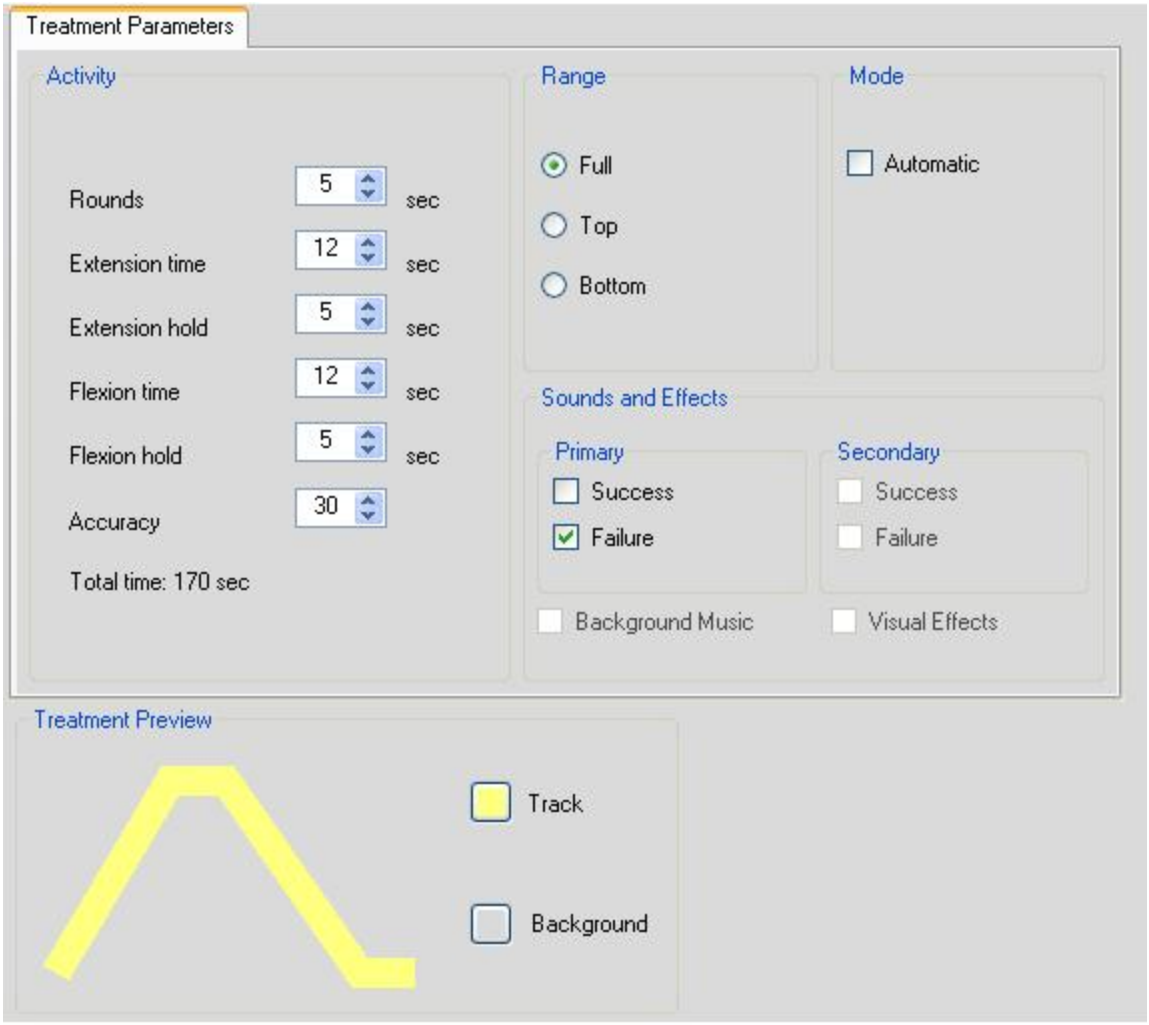
- Automatic: To set automatic mode

Sounds and Effects

- To set sounds for success and failure

Treatment Preview

- Track: To set track color
- Background: To set background color



Catch the Ball & Asteroid Attack parameters

Before you start to use **Basketball and Asteroids s**ee the following explanation for each parameter:

Activity

- Size: To set size of ball/asteroid
- Speed: To set speed of ball/asteroid
- Time: To set duration of the game, in seconds
- Number of balls/asteroids: To set numbers of balls/asteroids

Range

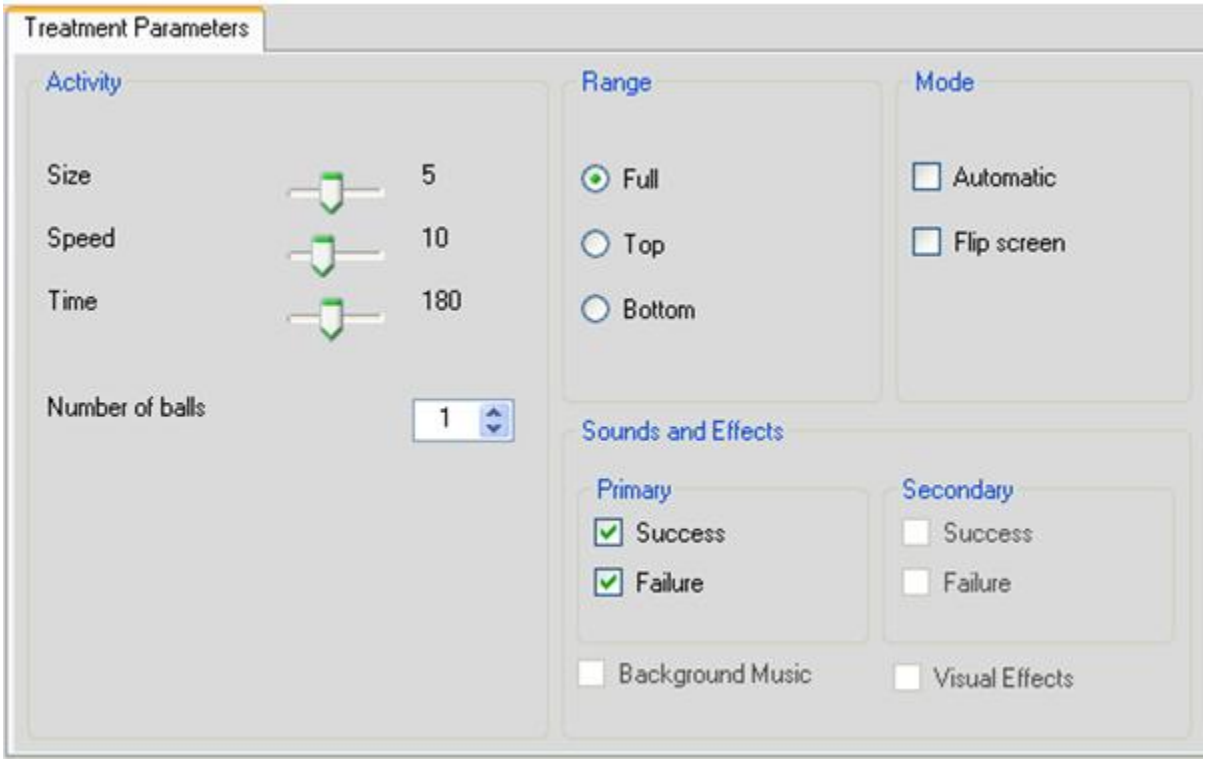
- Full: Balls/Asteroids will appear on all range
- Top: Balls/Asteroids will appear on top of range
- Bottom: Balls/Asteroids will appear on bottom of range

Mode

- Automatic: To set automatic mode
- Flip screen: To change direction of appearance

Sounds and Effects

- To set sounds for success and failure



Volley Ball parameters

Before you start to use **Volley Ball s**ee the following explanation for each parameter:

Activity

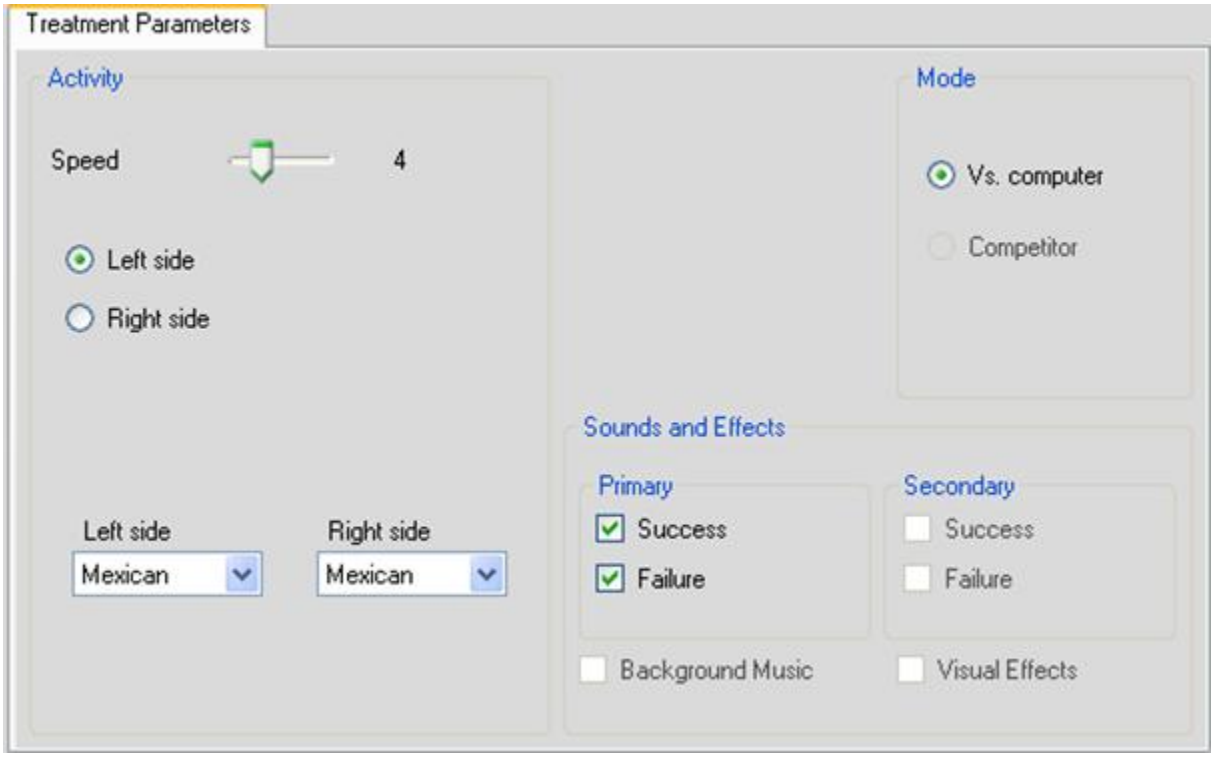
- Speed: To set speed of volley ball
- Left / Right option: To set side of user player
- Left / Right list: To set image of players

Mode

- Vs. Computer: To set game against computer
- Competitor: To set game against another user

Sounds and Effects

- To set sounds for success and failure



Racing parameters

Before you start to use **Racing s**ee the following explanation for each parameter:

Activity

- Stations: To set number of stations
- Speed: To set speed of racing
- Accuracy: To set width of the road

View

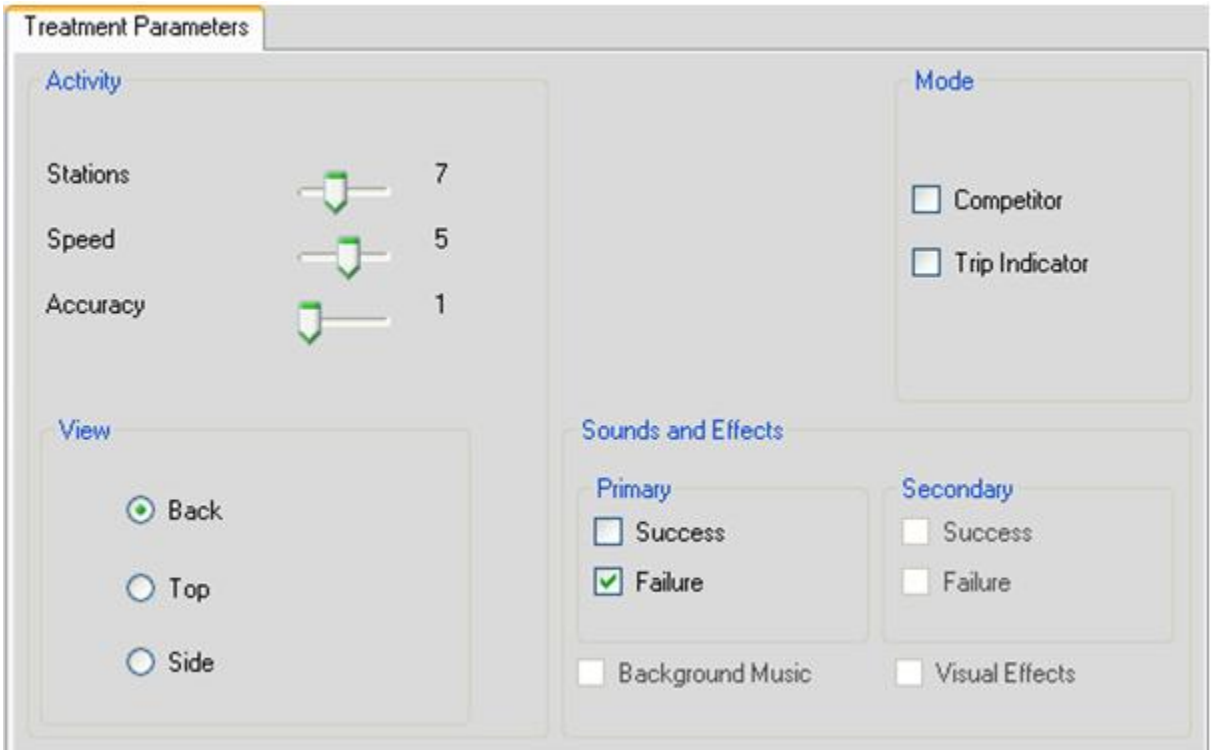
- Back: To set view of racing from back
- Top: To set view of racing from top
- Side: To set view of racing from side

Mode

- Competitor: To set racing with/without competitor
- Trip Indicator: To set racing with/without trip indicator

Sounds and Effects

- To set sounds for success and failure



Snow Ball parameters

Before you start to use **Snow Ball s**ee the following explanation for each parameter:

Activity

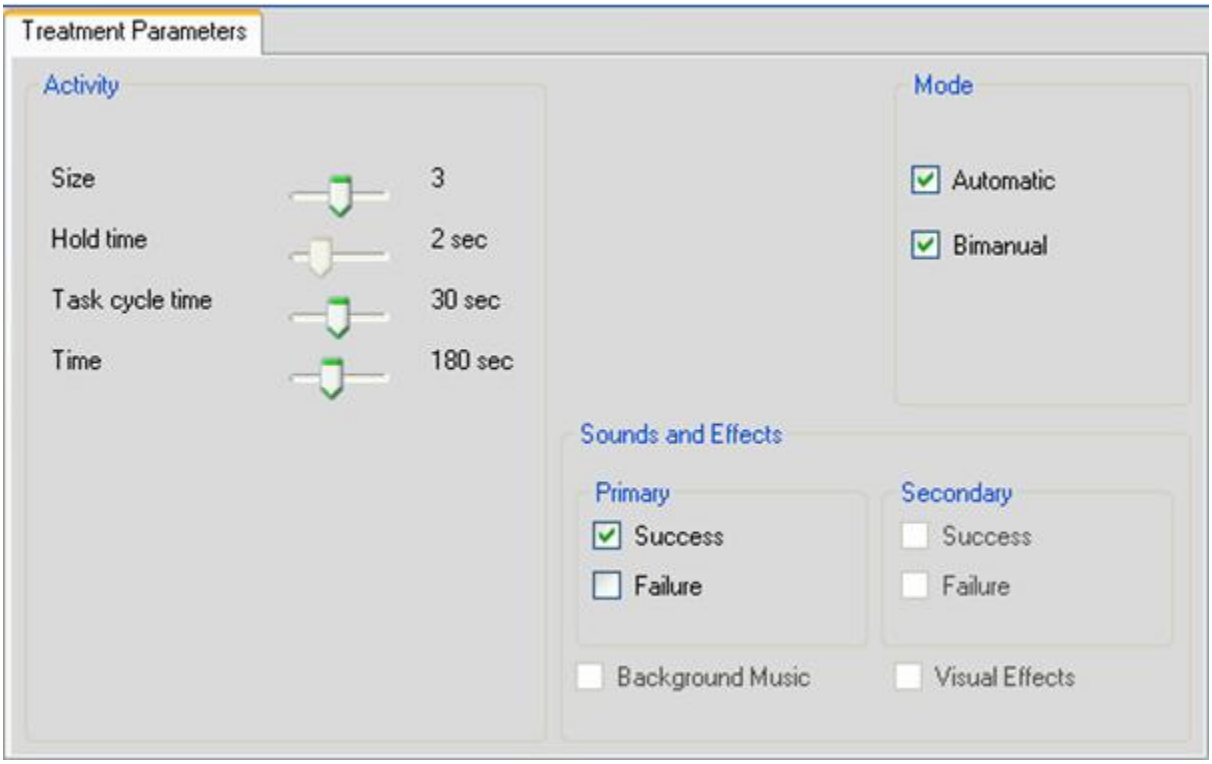
- Size: To set size of snow man
- Hold time: To set duration of hold, in seconds
- Task cycle time: To set duration of cycle, in seconds
- Time: To set duration of game, in seconds

Mode

- Automatic: To set automatic mode
- Bimanual: To set manual shooting

Sounds and Effects

- To set sounds for success and failure



Sky Defender parameters

Before you start to use **Sky Defender s**ee the following explanation for each parameter:

Activity

- Time: To set duration of game, in seconds
- Level: To set level of game

Shooting

- Automatic: To set automatic mode
- Manual: To set manual shooting

Range

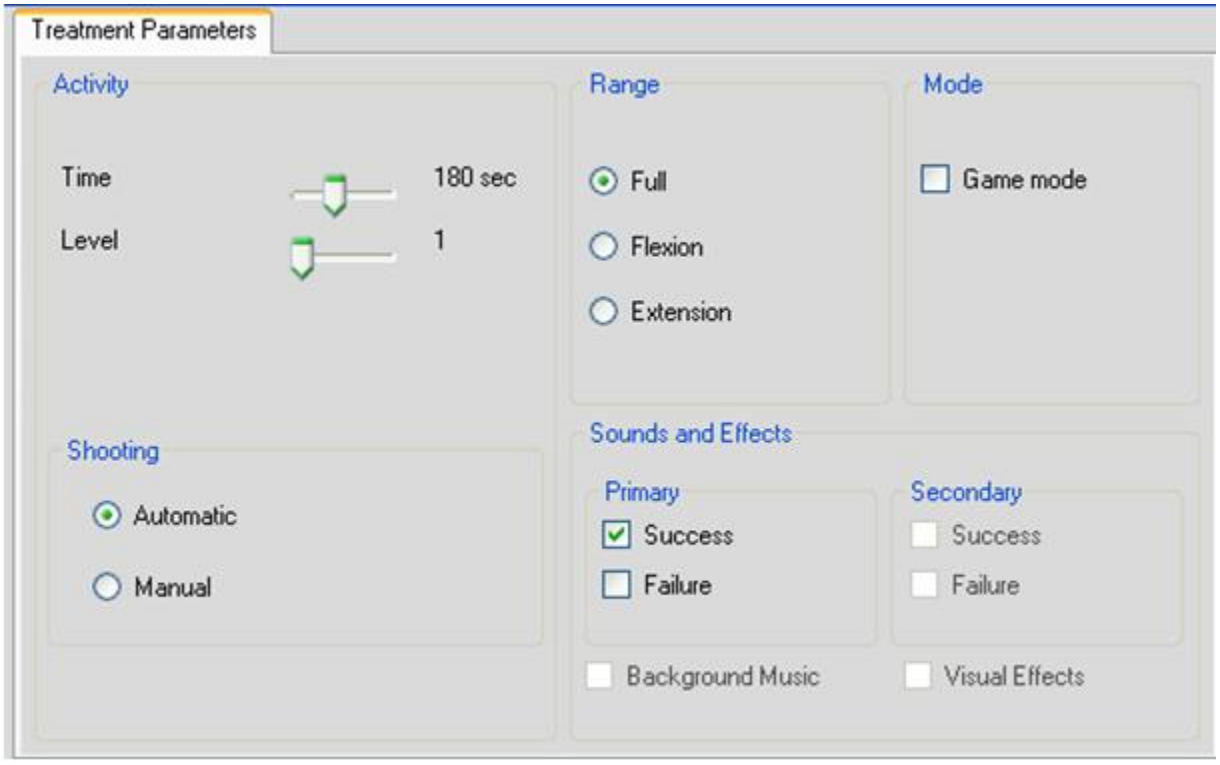
- Full: To set full range
- Flexion: To set range for flexion move
- Extension: Full: To set range for extension move

Mode

- Game mode: To set game mode

Sounds and Effects

- To set sounds for success and failure



Shape sorting parameters

Before you start to use **Shape Sorting s**ee the following explanation for each parameter:

Activity

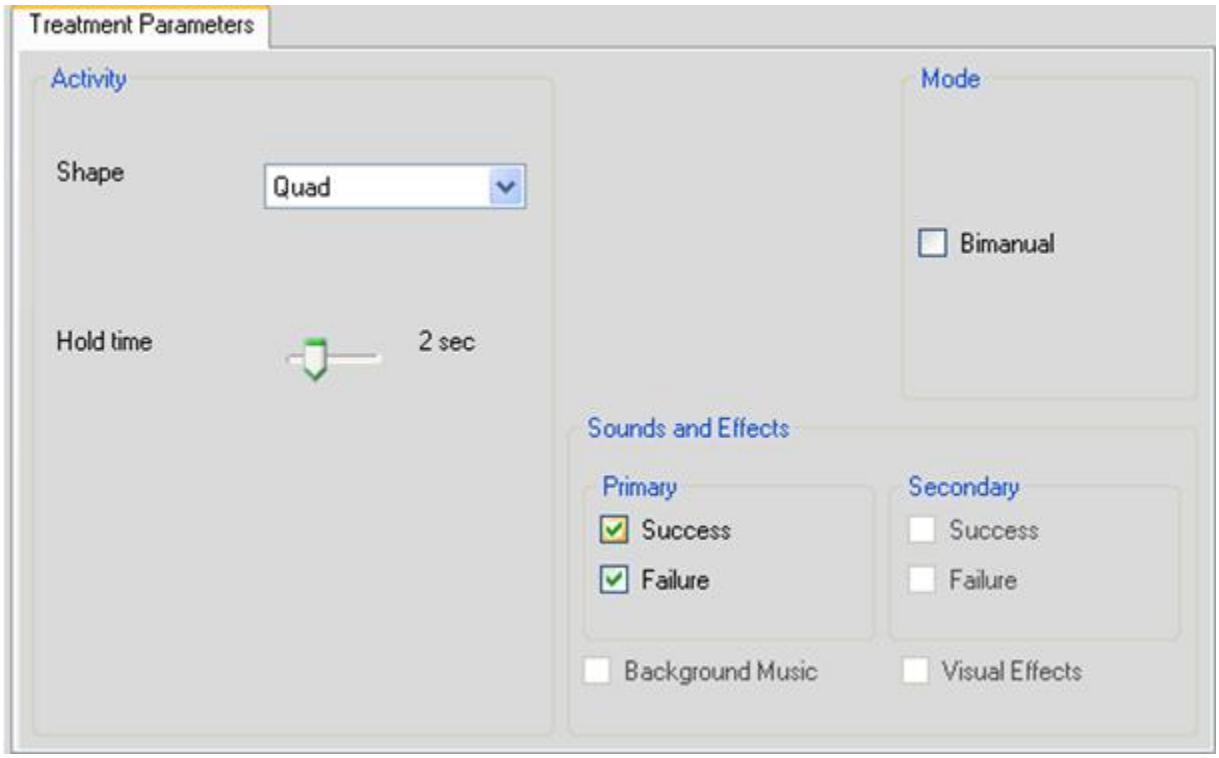
- Shape: To set type of shape
- Hold time: To set duration of hold, in seconds

Mode

- Bimanual: To set manual shooting

Sounds and Effects

- To set sounds for success and failure



Bubbles parameters

Before you start to use **Bubbles s**ee the following explanation for each parameter:

Activity

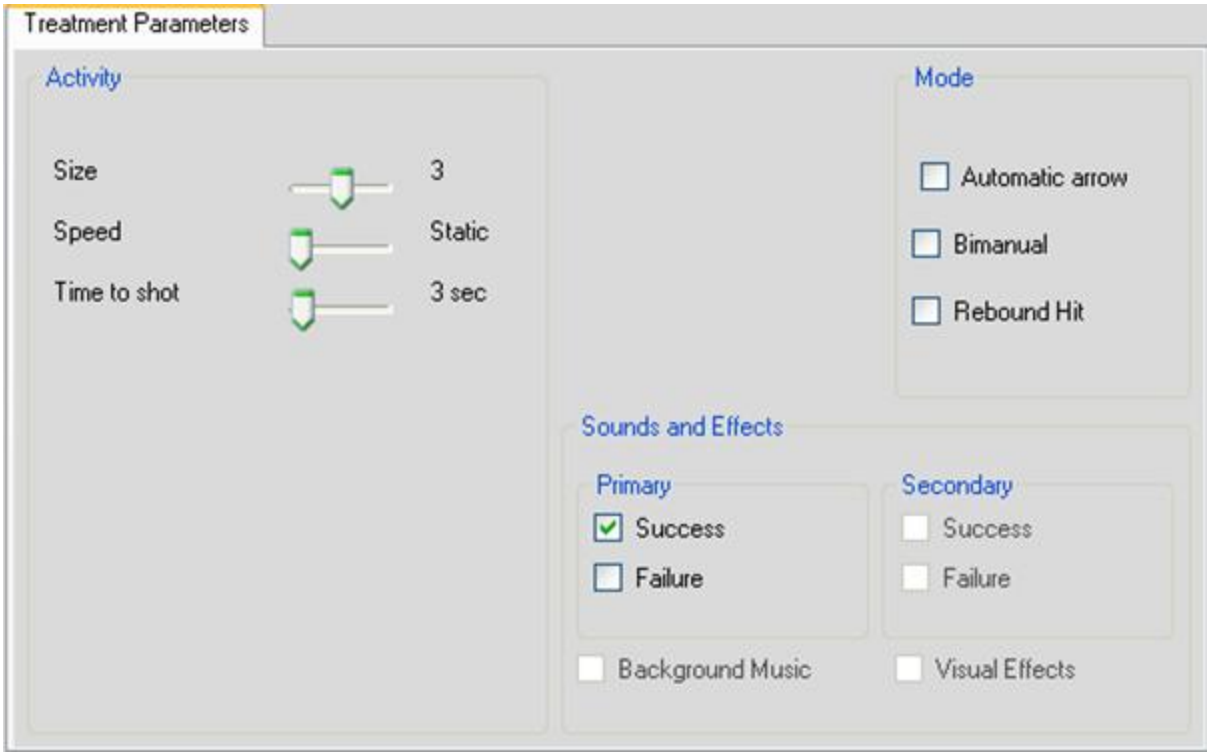
- Size: To set size of bubbles
- Speed: To set speed of falling bubbles, in seconds
- Time to shot: To set cycle of shots, in seconds

Mode

- Automatic arrow: To set auto arrow mode
- Bimanual: To set manual mode
- Rebound Hit: To set rebound mode

Sounds and Effects

- To set sounds for success and failure



Fruit Shop parameters

Before you start to use **Fruit Shop s**ee the following explanation for each parameter:

Activity

- Size: To set size of target

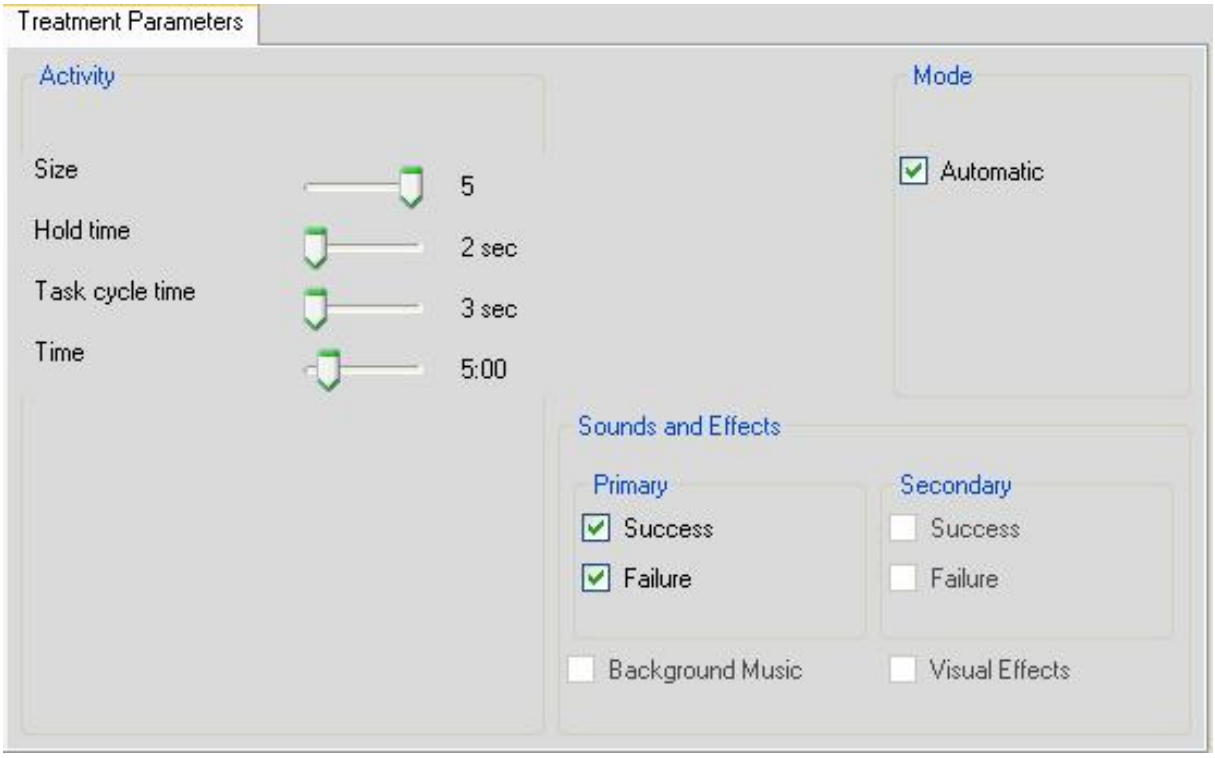
- Hold time: To set duration of hold, in seconds
- Task cycle time: To set duration of cycle, in seconds
- Time: To set duration of game, in seconds

Mode

- Automatic arrow: To set automatic game mode

Sounds and Effects

- To set sounds for success and failure



Treatment list

All treatments can be operated by HandTutor, ArmTutor, LegTutor and 3DTutor.

This section will demonstrate how to start a treatment by HandTutor;

Track a Target

Instructions: Try to keep the ball inside the moving target.

To start **Track a Target** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.

2- **Put it on** patient hand

3- Go to Treatments and choose **Track A Target**

4- Choose a **patient**

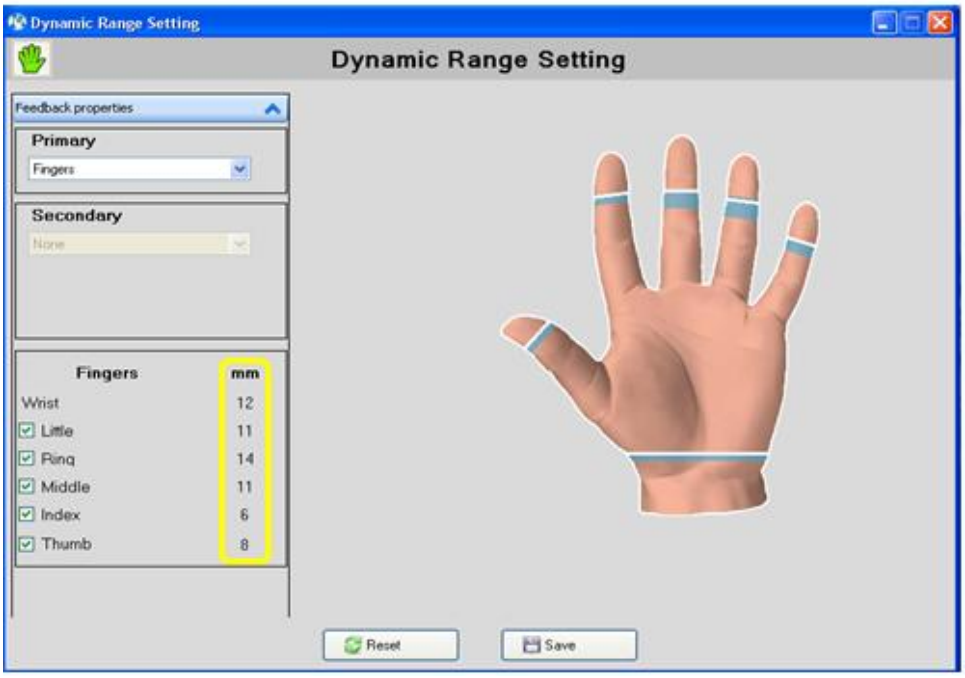
5- Move HandTutor **to set ROM**

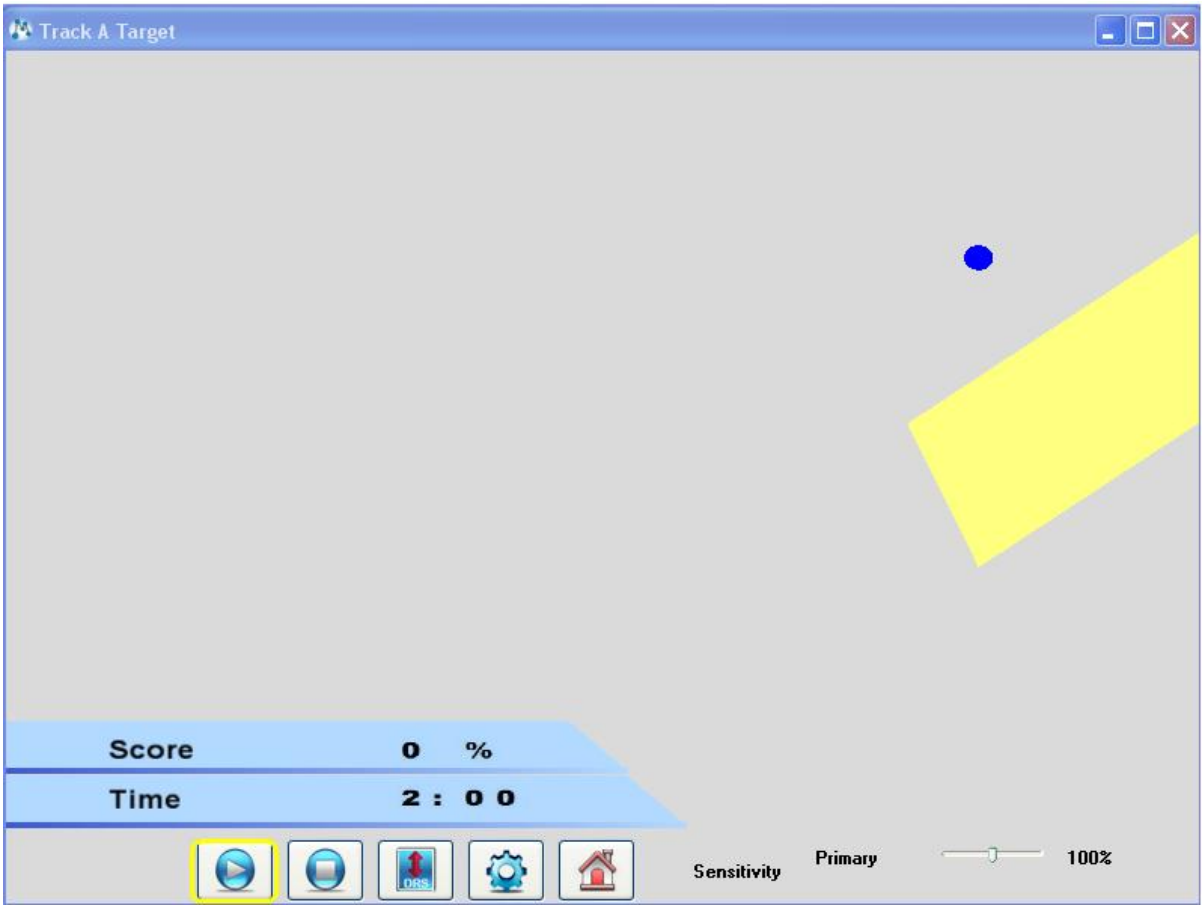
6- Press **Save**

7- **Track A Target** window will appear

8- Press **Play**

Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Treatments | Current Patient : Smith David
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
Primary
Fingers
Secondary
None
Fingers
mm
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save



Catch the Ball

Instructions: Try to catch the basketball with the moving basket.

To start **Catch the Ball** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Catch The Ball**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Catch The Ball** window will appear
8- Press **Play**

HandTutor - L
No Device
Search
Support
Help
Exit
Activities
Treatments
Evaluations
Reports
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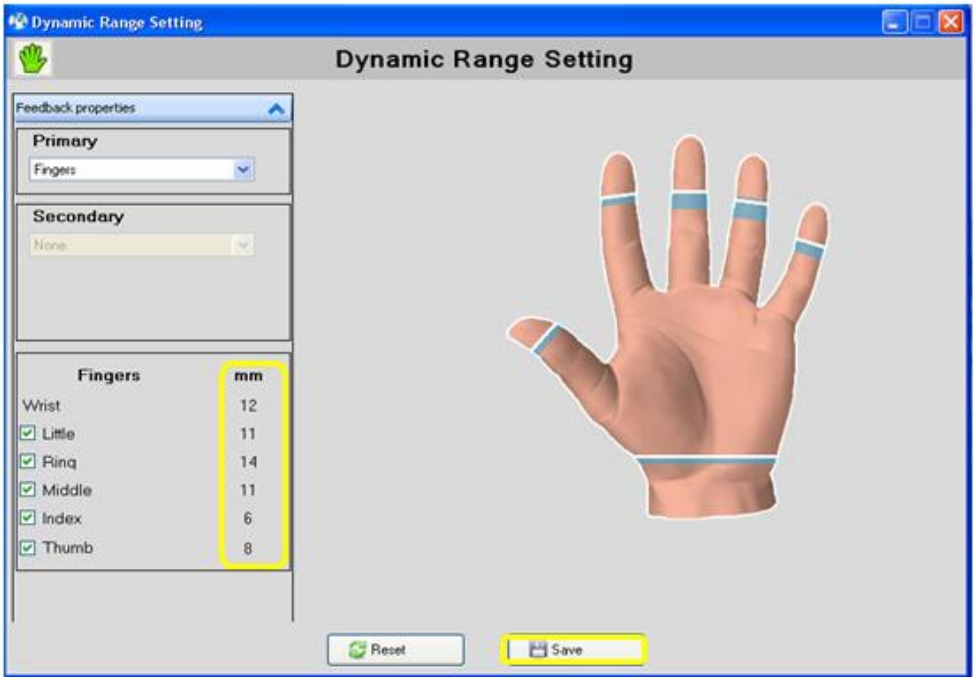
Users
Patients
Settings
Treatments | Current Patient : Smith David
Sessions Log
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
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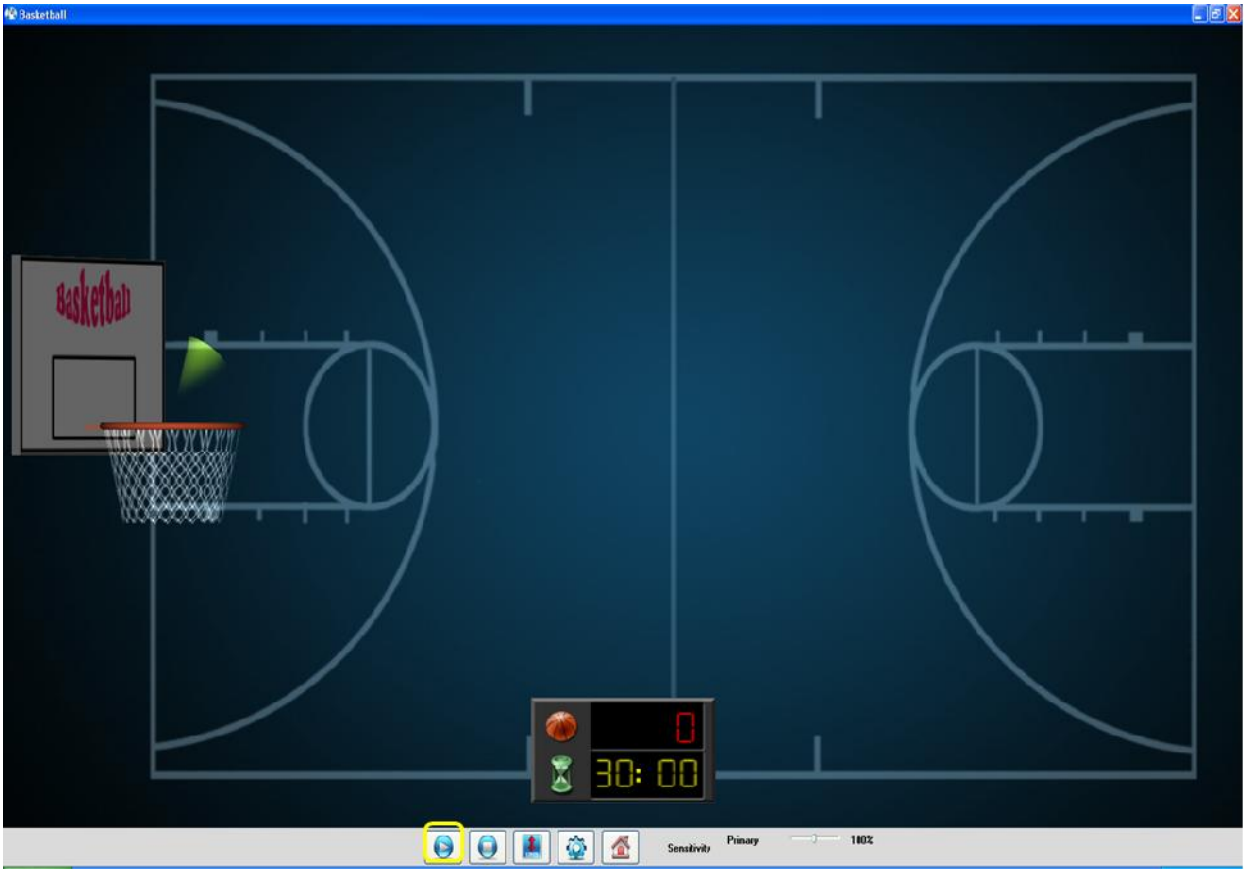
Middle 11
Index 6
Thumb 8
Reset
Save



Asteroid Attack

Instructions: Save the earth from falling asteroids.

To start **Asteroid Attack** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose Asteroid Attack
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Asteroid Attack** window will appear
8- Press **Play**

HandTutor - L
No Device
Search
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Help
Exit
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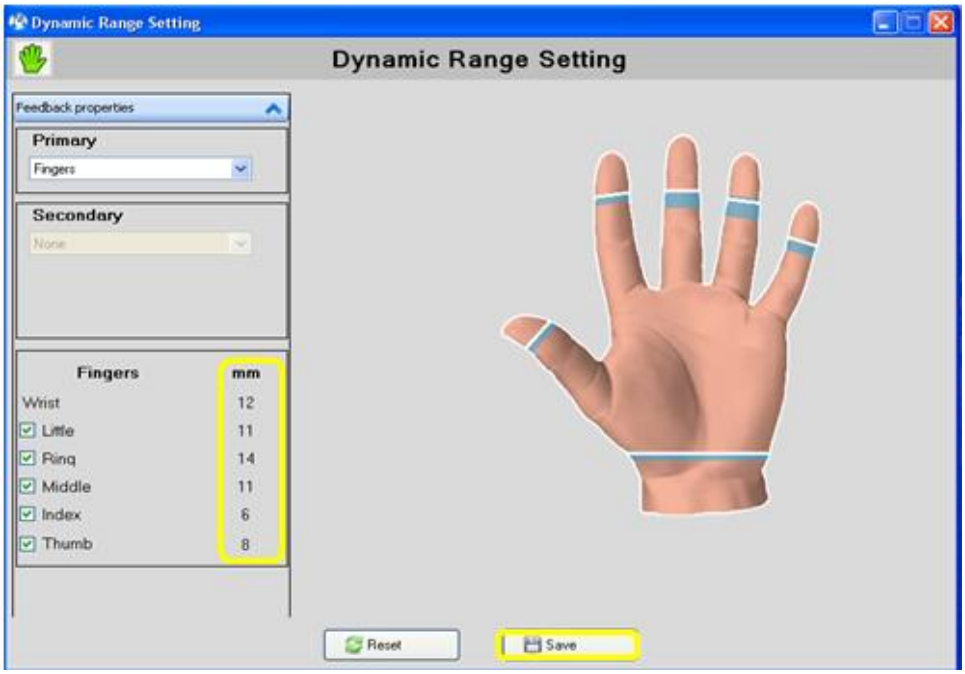
Users
Patients
Settings
Treatments | Current Patient : Smith David
Sessions Log
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
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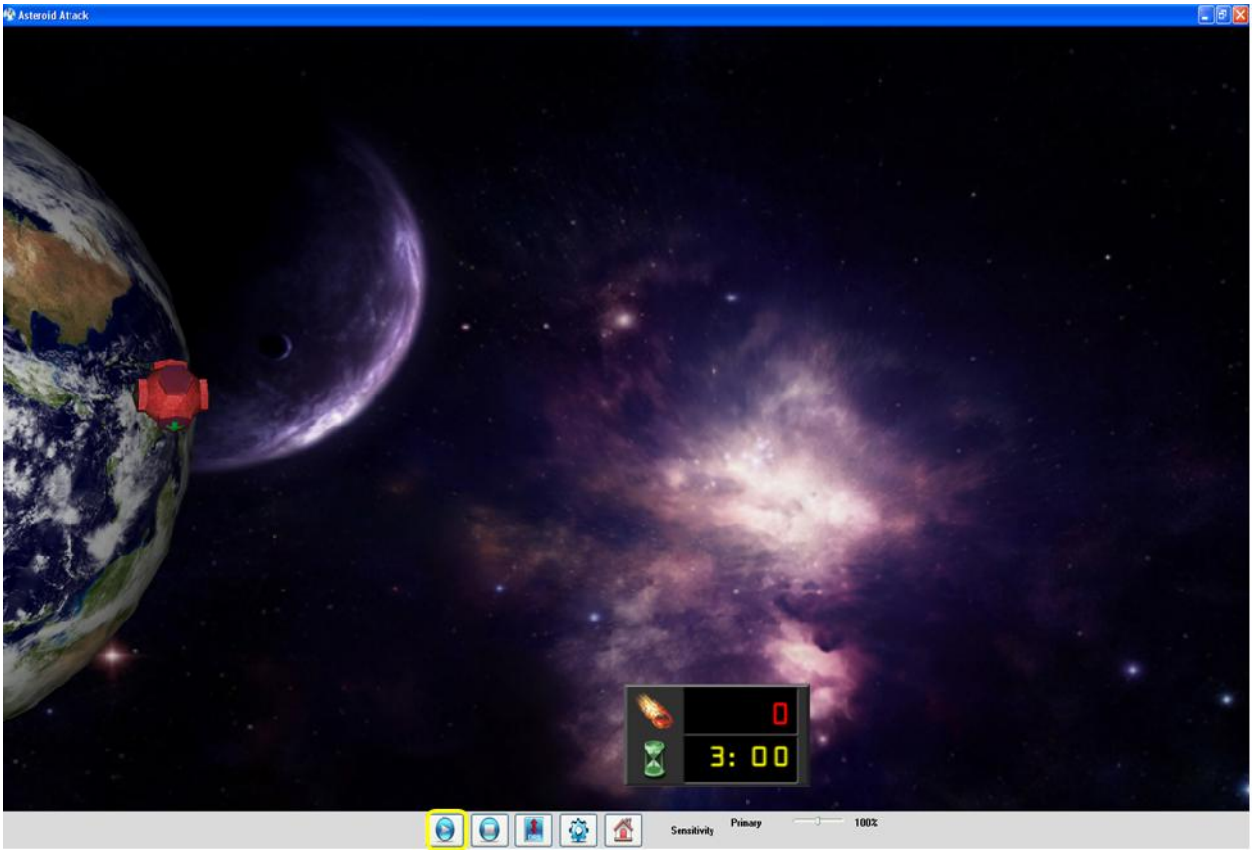
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save



Volley Ball

Instructions: Play beach volley ball.

To start **Volley Ball** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Volley Ball**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Volley Ball** window will appear
8- Press **Play**

HandTutor - L
No Device
Search
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Settings
Treatments | Current Patient : Smith David
Sessions Log
Track A Target
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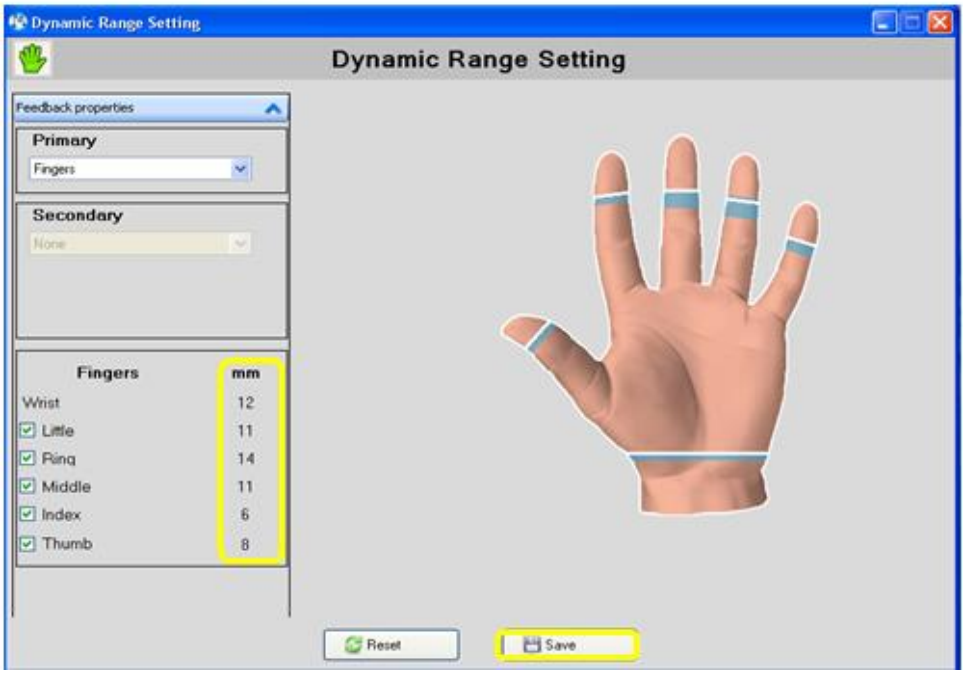
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
Primary
Fingers
Secondary
None
Fingers
mm
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save

Racing

Instructions: Keep the car on the road until the finish line

To start **Racing** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Racing**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Racing** window will appear
8- Press **Play**

HandTutor - L
No Device
Search
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Help
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Activities
Treatments
Current Patient : Smith David
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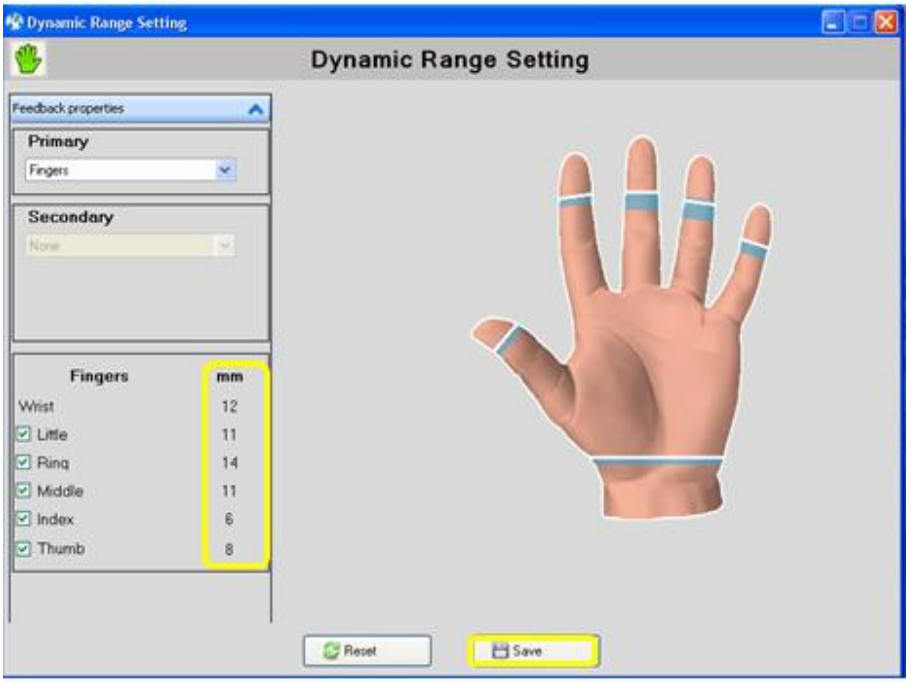
Evaluations
Reports
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Management
Users
Patients
Settings
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
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Fingers
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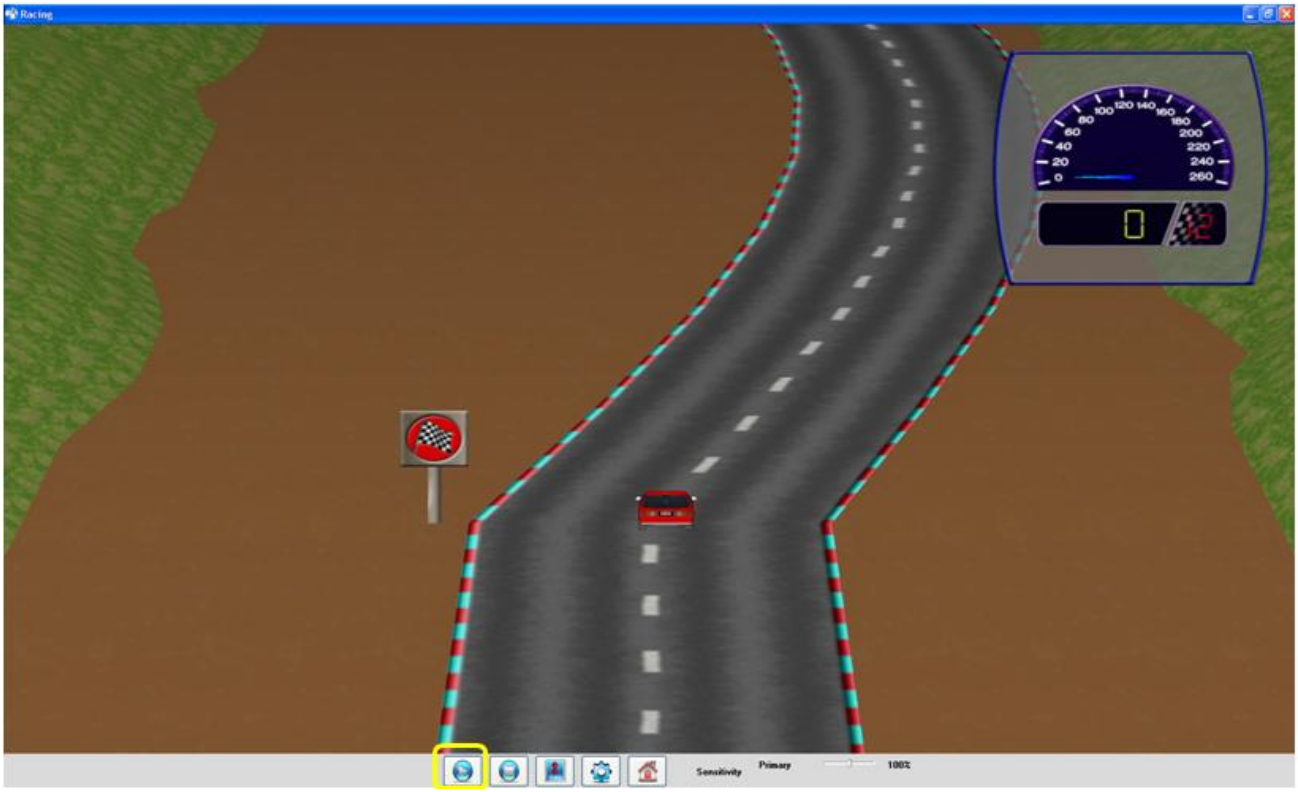
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save



Snow Ball

Instructions: Raise your finger(s) or wrist to aim the snowball at the snowman.

To start **Snow Ball** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Snow Ball**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Snow Ball** window will appear
8- Press **Play**

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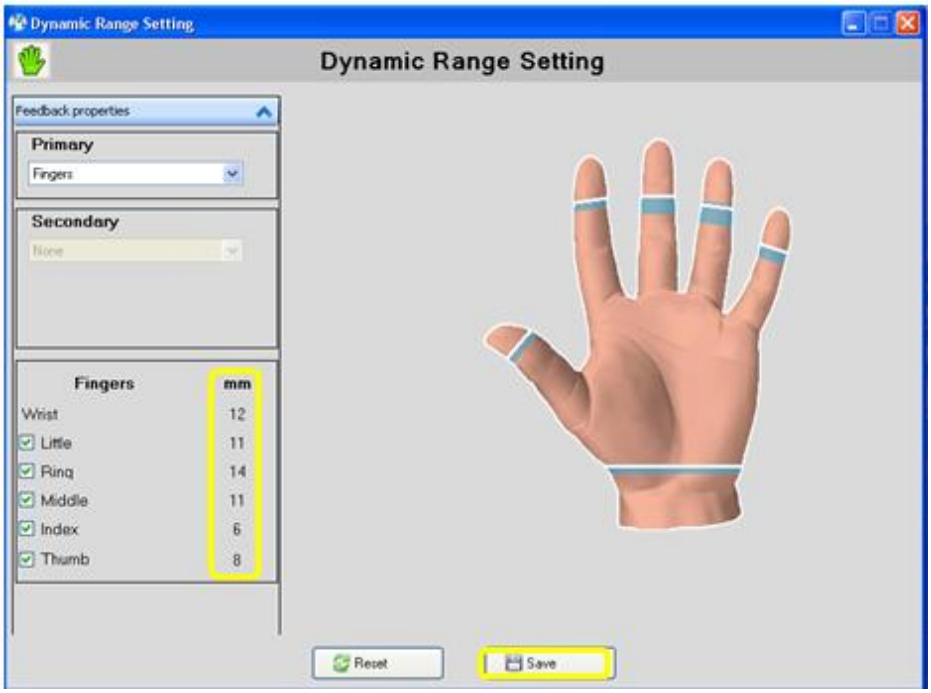
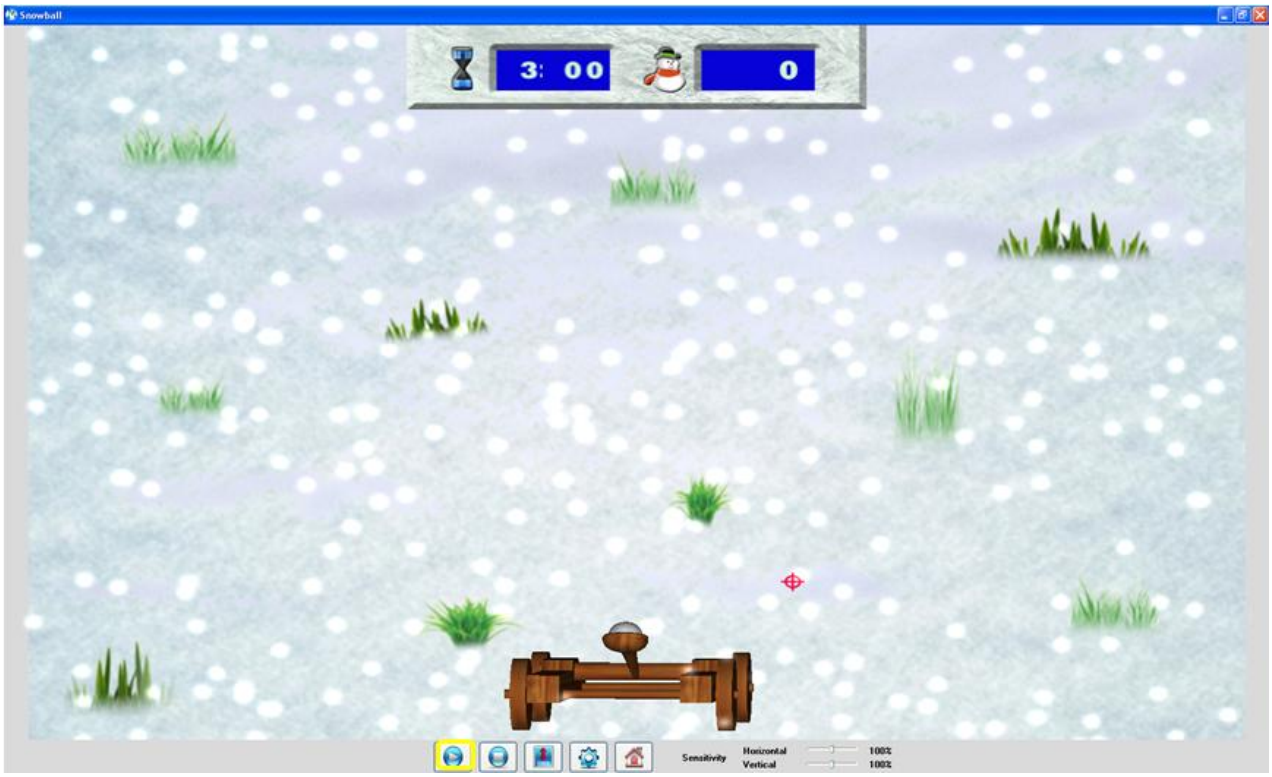
Settings
Treatments | Current Patient : Smith David
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
Primary
Fingers
Secondary
None
Fingers
mm
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save



Sky Defender

Instructions: Play spaceship war, eliminate all enemies

To start **Sky Defender** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Sky Defender**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Sky Defender** window will appear
8- Press **Play**

HandTutor - L
No Device
Search
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Help
Exit
Activities
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Evaluations
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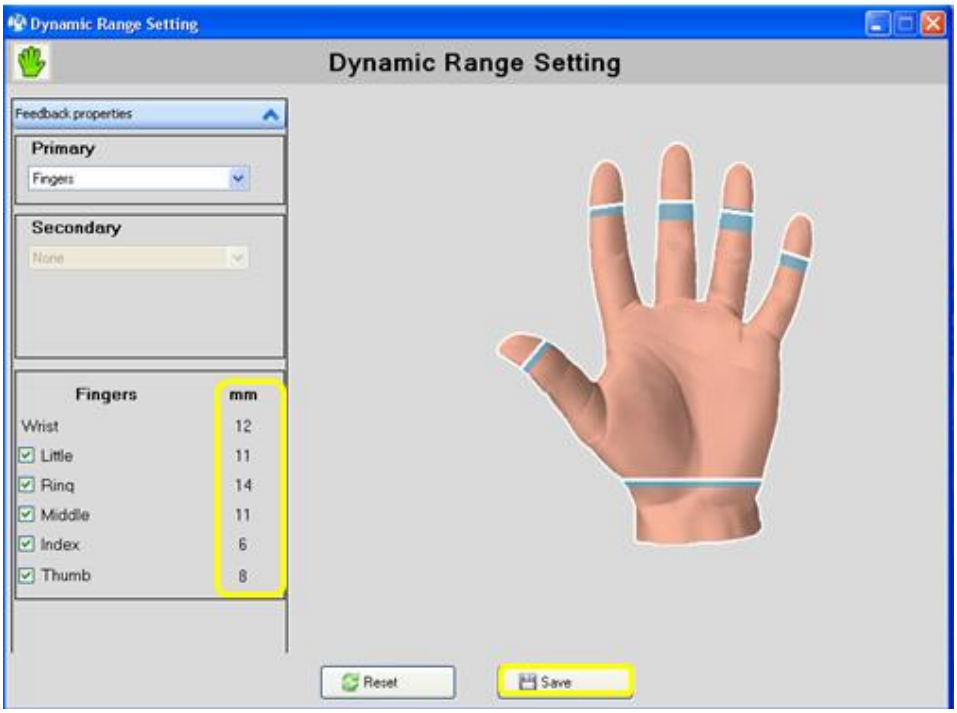
Users
Patients
Settings
Treatments | Current Patient : Smith David
Sessions Log
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
Primary
Fingers
Secondary
None
Fingers
mm
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save

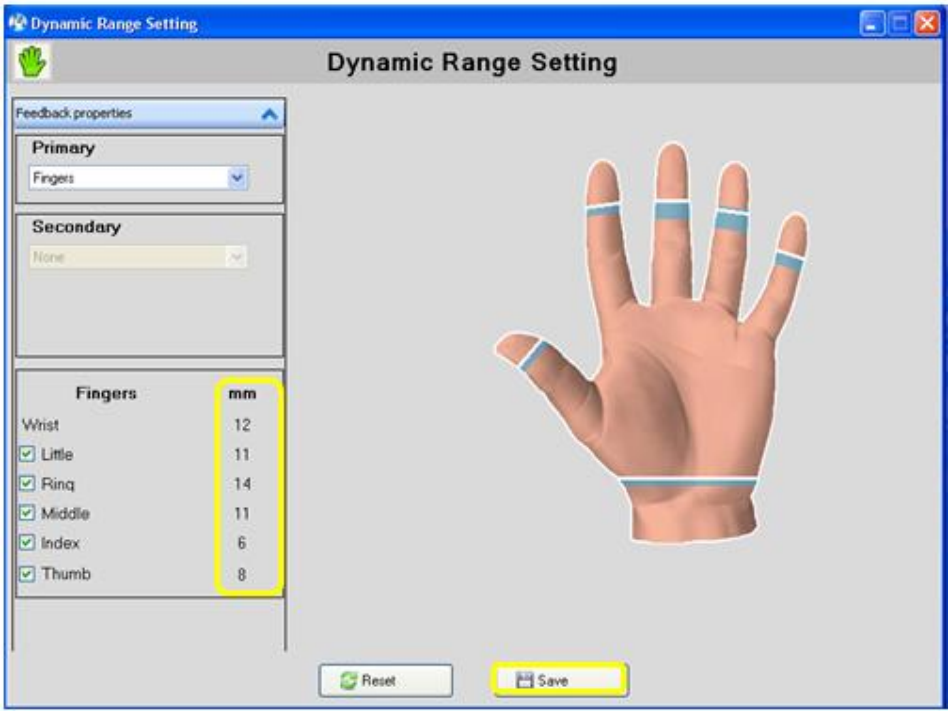
Shape sorting

Instructions: Sort the objects according to their size

To start **Shape Sorting** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Shape Sorting**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Shape Sorting** window will appear
8- Press **Play**

HandTutor - L
No Device
Search
Support
Help
Exit
Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Treatments | Current Patient : Smith David
Sessions Log
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
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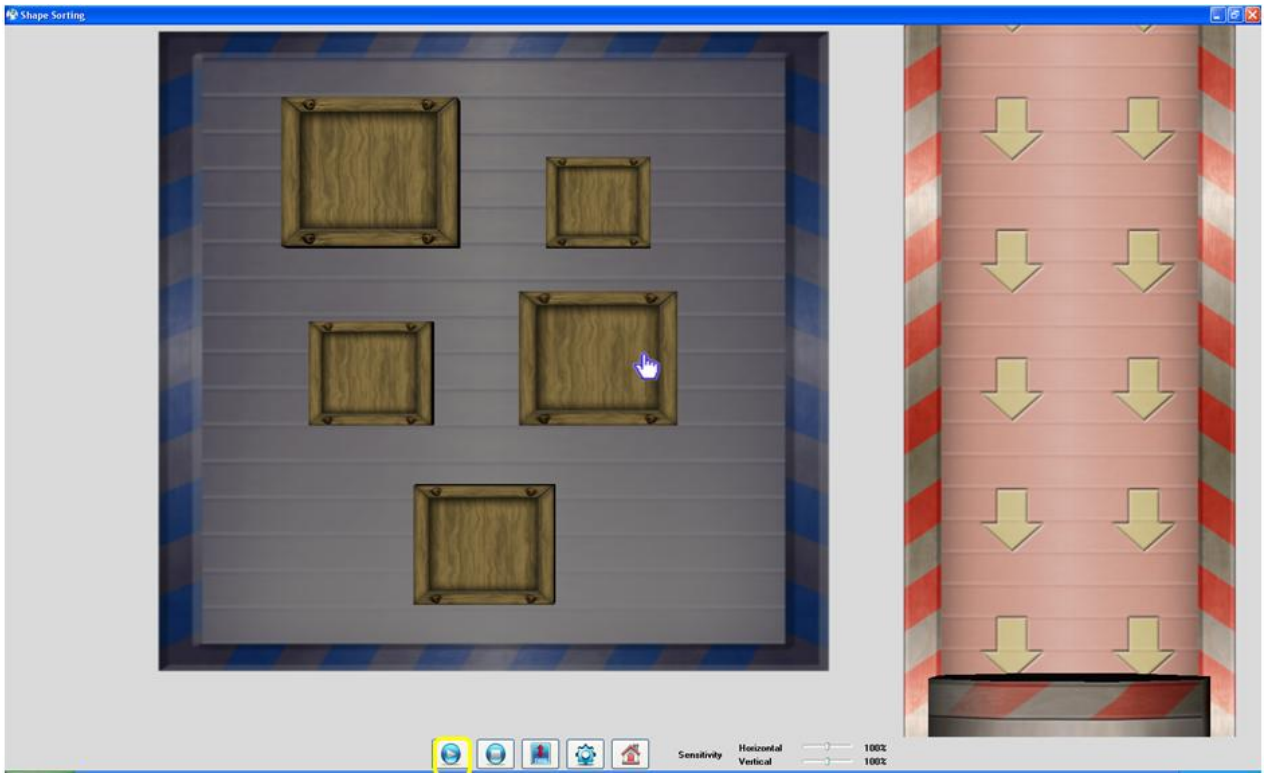
Fingers
Secondary
None
Fingers
mm
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save



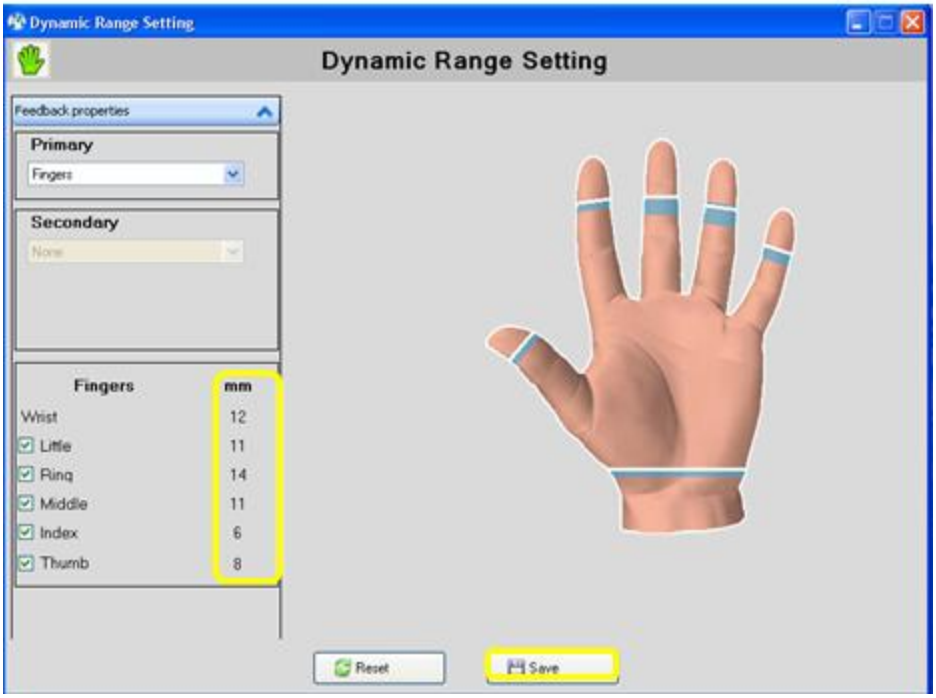
Bubbles

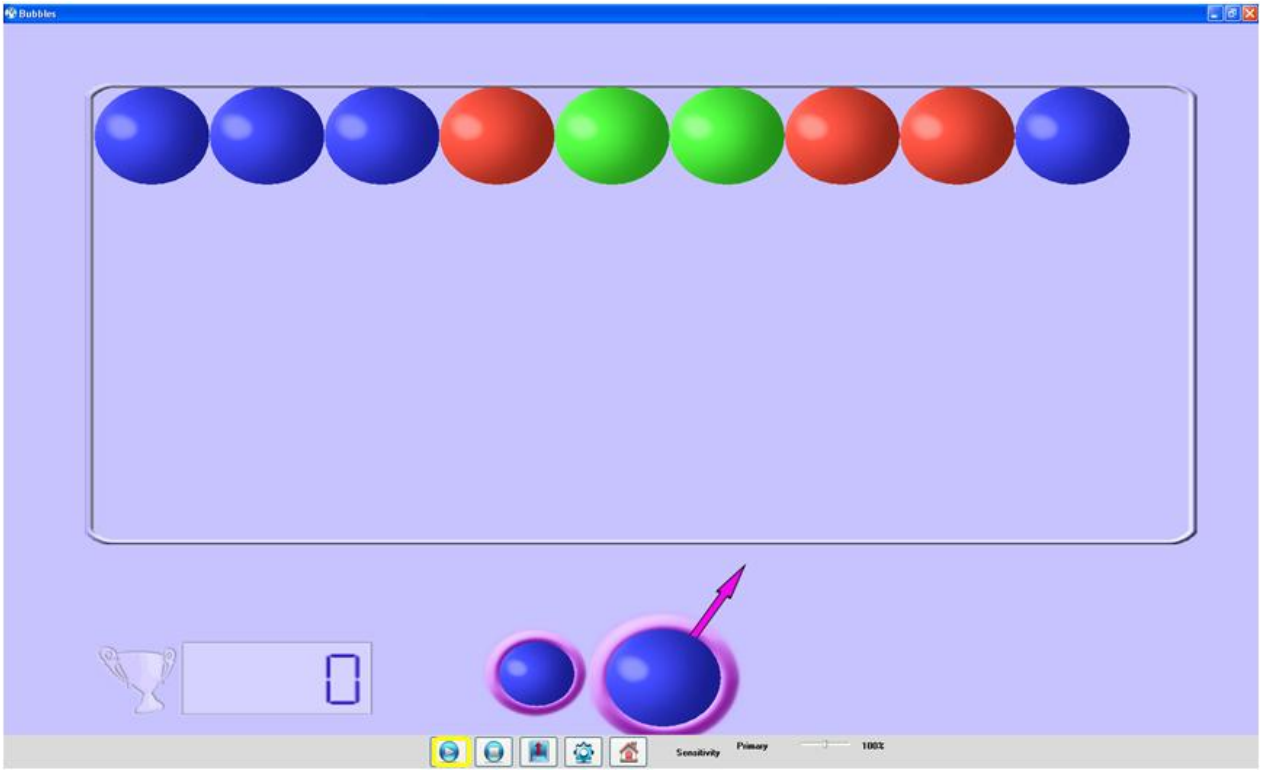
Instructions: Raise your finger(s) or wrist to aim the arrow at the bubbles.

To start **Bubbles** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Bubbles**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Bubbles** window will appear
8- Press **Play**

Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Treatments | Current Patient : Smith David
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles


Dynamic Range Setting
Dynamic Range Setting
Feedback properties
Primary
Fingers
Secondary
None
Fingers
mm
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save



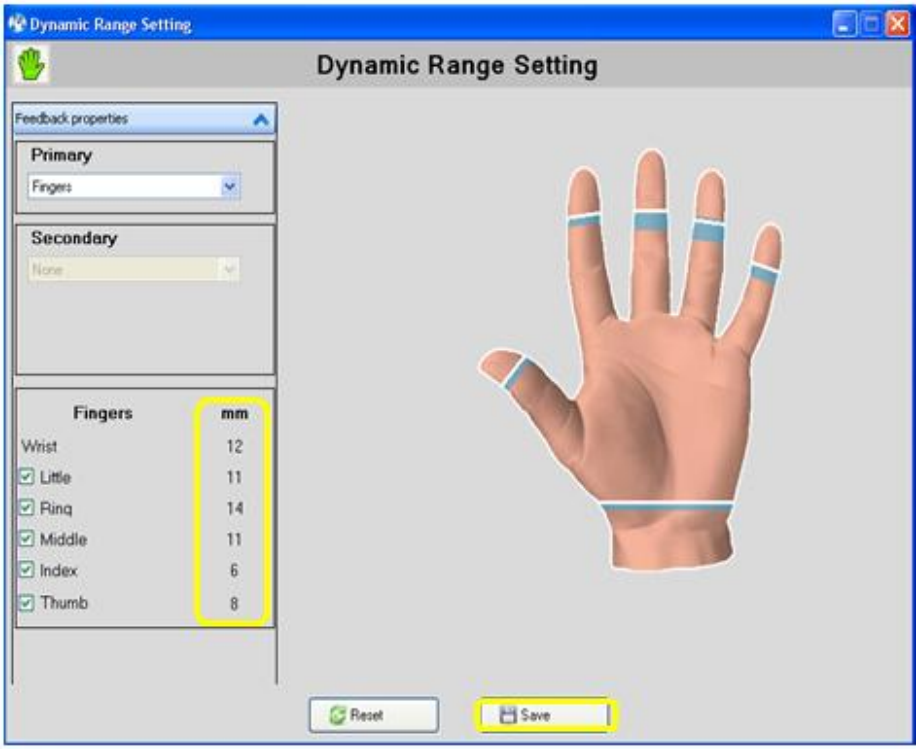
Fruit Shop

Instructions: Pour Fruit Juice to angry customer

To start **Fruit Shop** follows the next instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to Treatments and choose **Fruit Shop**
4- Choose a **patient**
5- Move HandTutor **to set ROM**
6- Press **Save**
7- **Fruit Shop** window will appear
8- Set L**ocation of Target** and press **Play**

Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Treatments | Current Patient : wsxcde test1
Track A Target
Catch The Ball
Asteroid Attack
Volley Ball
Racing
Snow Ball
Sky Defender
Shape Sorting
Bubbles
Fruit Shop
Treatment Name : Fruit Shop
Quick Instructions
Pour Fruit Juice to angry customer
Restrictions


Dynamic Range Setting
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Feedback properties
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Secondary
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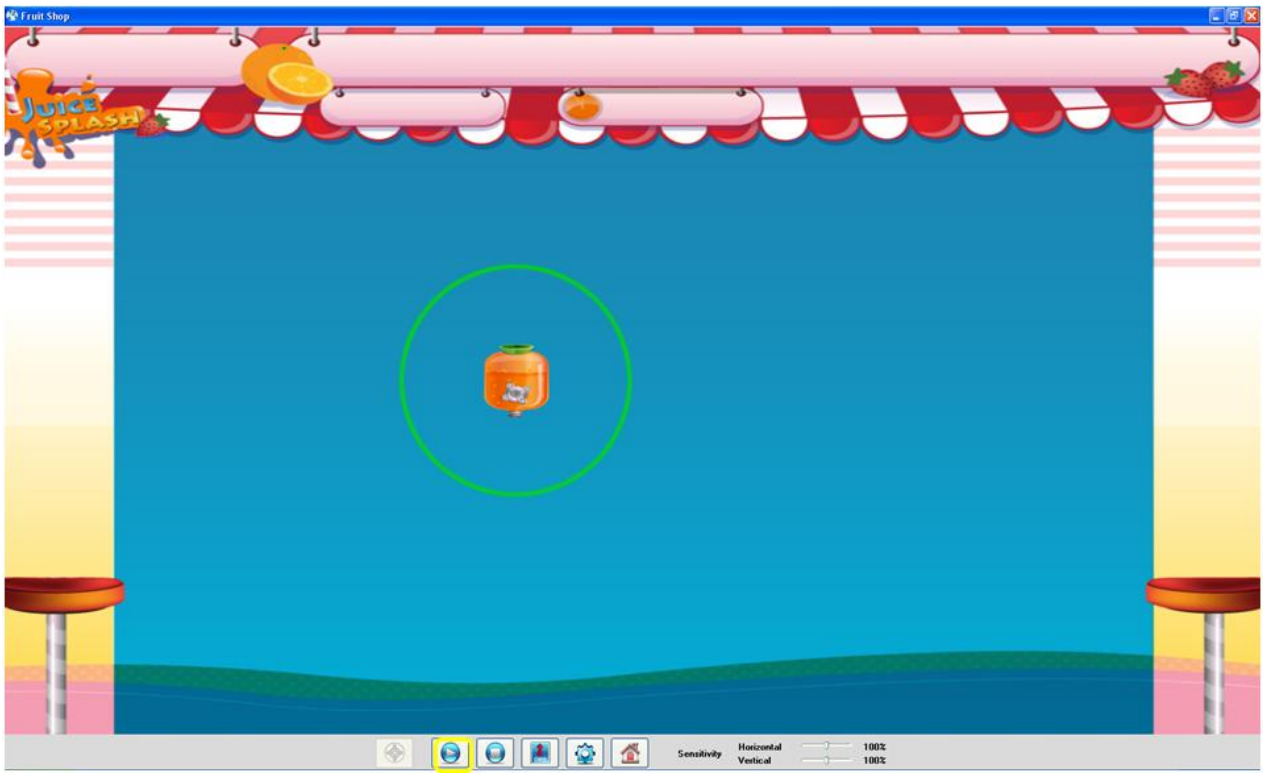
Wrist 12
Little 11
Ring 14
Middle 11
Index 6
Thumb 8
Reset
Save



Impairments

MediTutor™ allows filtering the list by selected impairments:

To impairments list follows the next instructions:

1- **Login** to MediTutor

2- Go to **Treatments**

3- Press on **Impairments** button to open list

4- Select any type of Impairment

5- Press again on **Impairments** button to close list

Treatment Sessions Log

Treatments sessions are saved to database and not allowed to delete.

How to save treatment session

1- Start any t**reatment**

2- Play **until end** of treatment or press Stop **after 15 seconds**

3- **Save Treatment Session** will appear

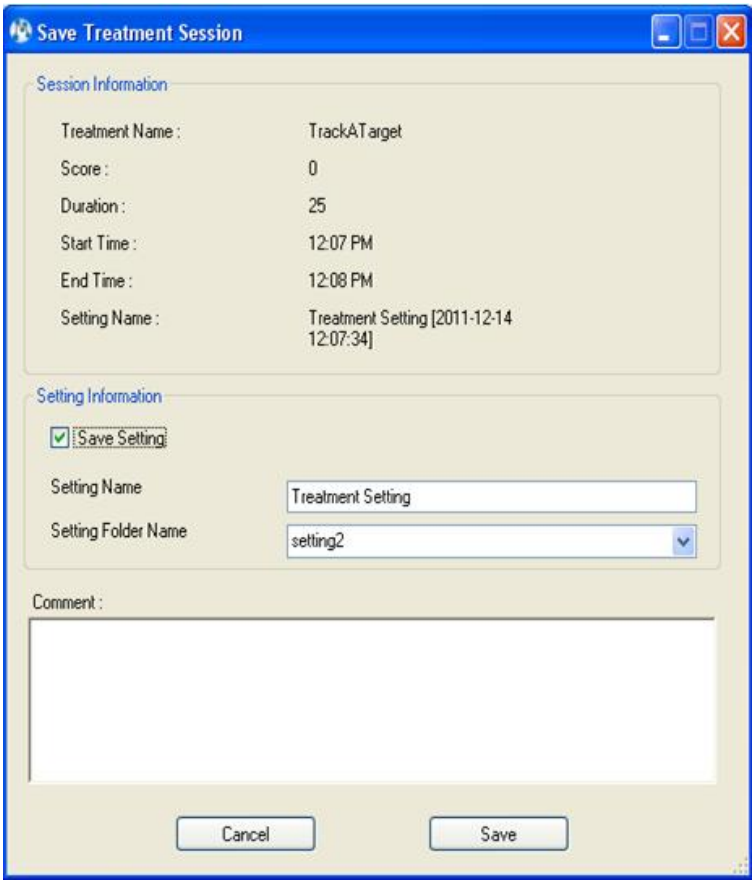
4- If you desire to save it as patient default then mark **Save as default**

5- Enter **settings name**

6- Choose **setting group name**

7- You may enter a comment

8- Press **Save**.

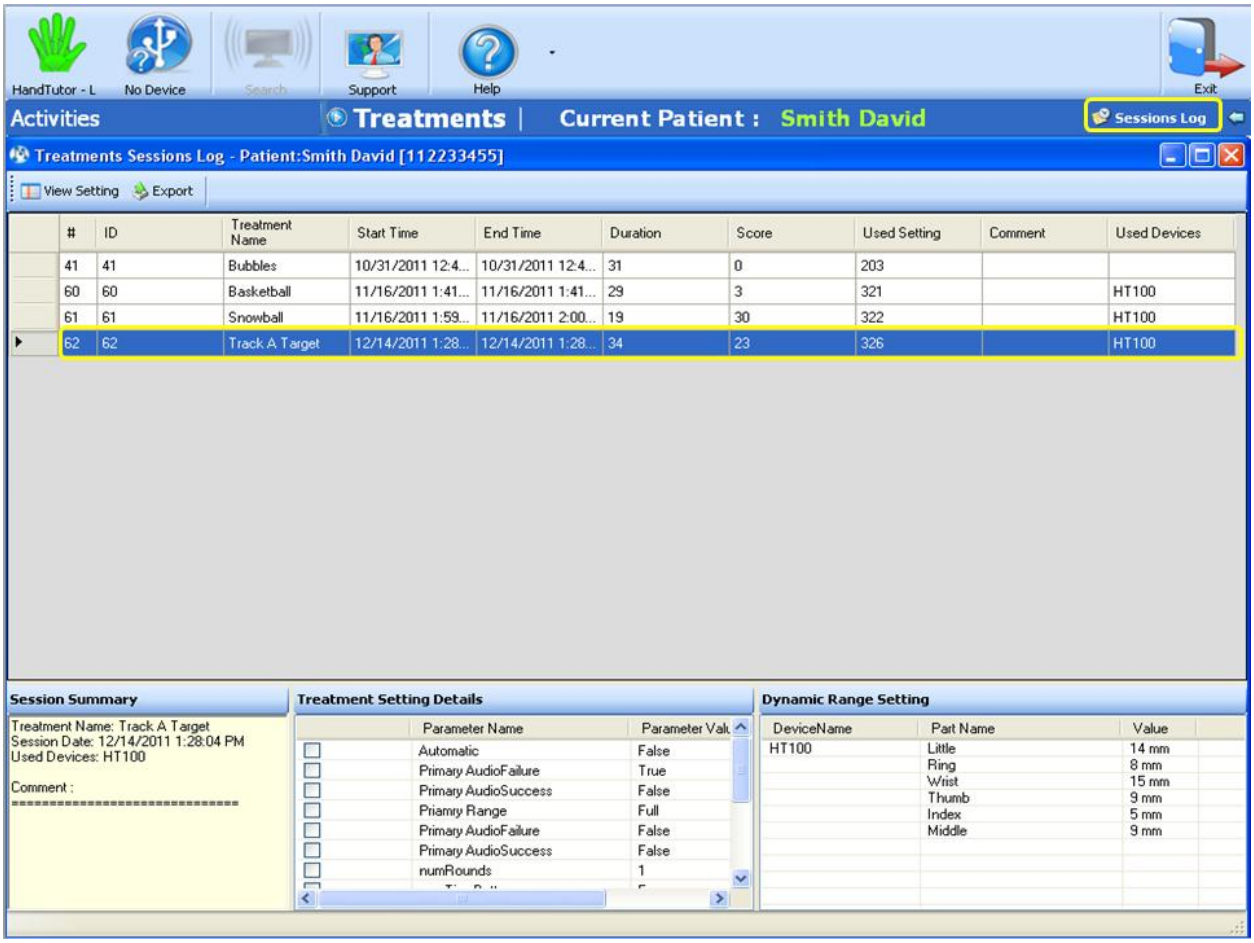


How to open sessions log

1- Go to **Treatments**

2- Press on **Sessions Log** button

3- Choose a session to see **summary**, **treatment setting details** and **DRS details**


HandTutor - L
No Device
Search
Support
Help
Exit
Activities
Treatments | Current Patient : Smith David
Sessions Log
Treatments Sessions Log - Patient:Smith David [112233455]
View Setting
Export
ID Treatment Name Start Time End Time Duration Score Used Setting Comment Used Devices
41 41 Bubbles 10/31/2011 12:4... 10/31/2011 12:4... 31 0 203
60 60 Basketball 11/16/2011 1:41... 11/16/2011 1:41... 29 3 321 HT100
61 61 Snowball 11/16/2011 1:59... 11/16/2011 2:00... 19 30 322 HT100
62 62 Track A Target 12/14/2011 1:28... 12/14/2011 1:28... 34 23 326 HT100
Session Summary
Treatment Name: Track A Target
Session Date: 12/14/2011 1:28:04 PM
Used Devices: HT100
Comment :
Treatment Setting Details
Parameter Name Parameter Val
Automatic False
Primary AudioFailure True
Primary AudioSuccess False
Priamry Range Full
Primary AudioFailure False
Primary AudioSuccess False
numRounds 1
Dynamic Range Setting
DeviceName Part Name Value
HT100 Little 14 mm
Ring 8 mm
Wrist 15 mm
Thumb 9 mm
Index 5 mm
Middle 9 mm

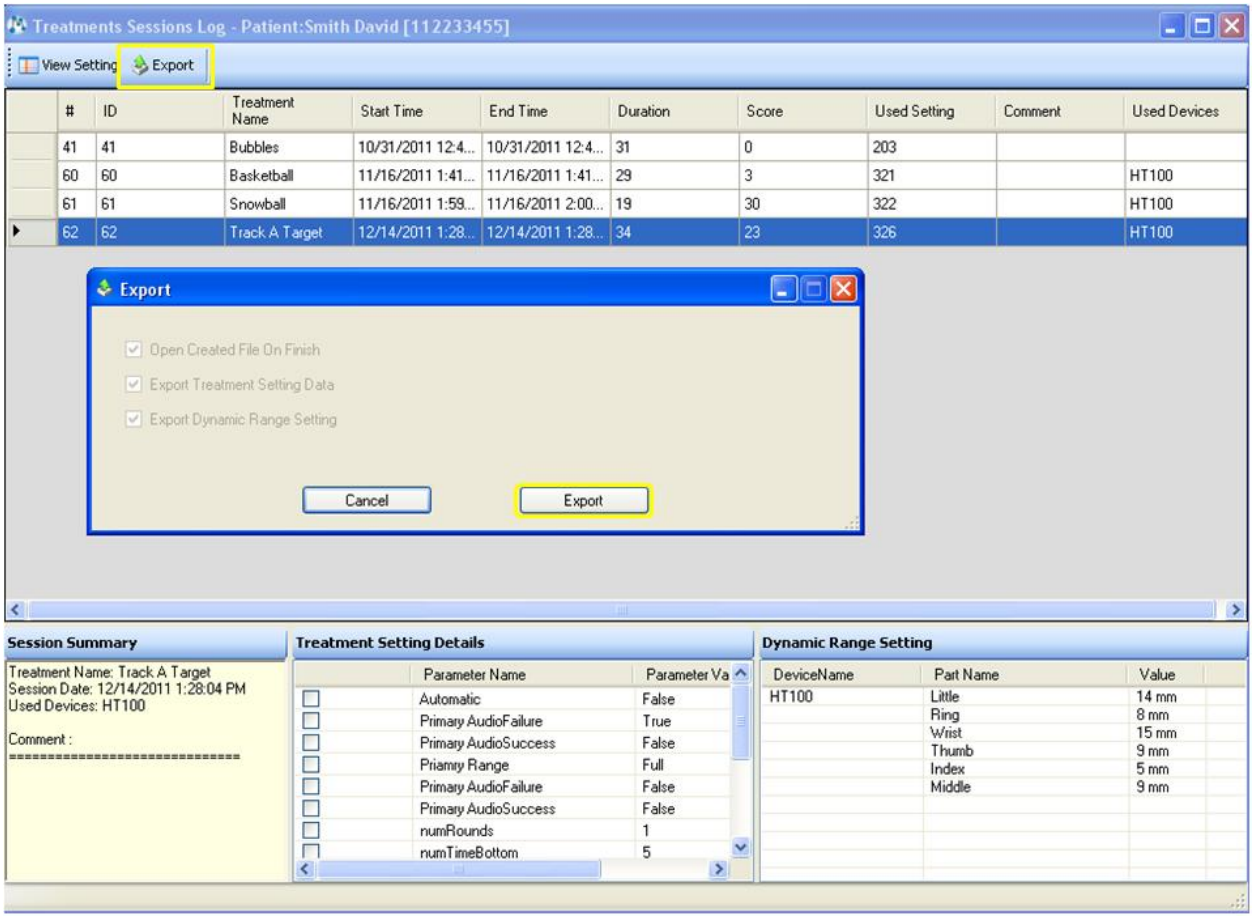
How to export sessions log

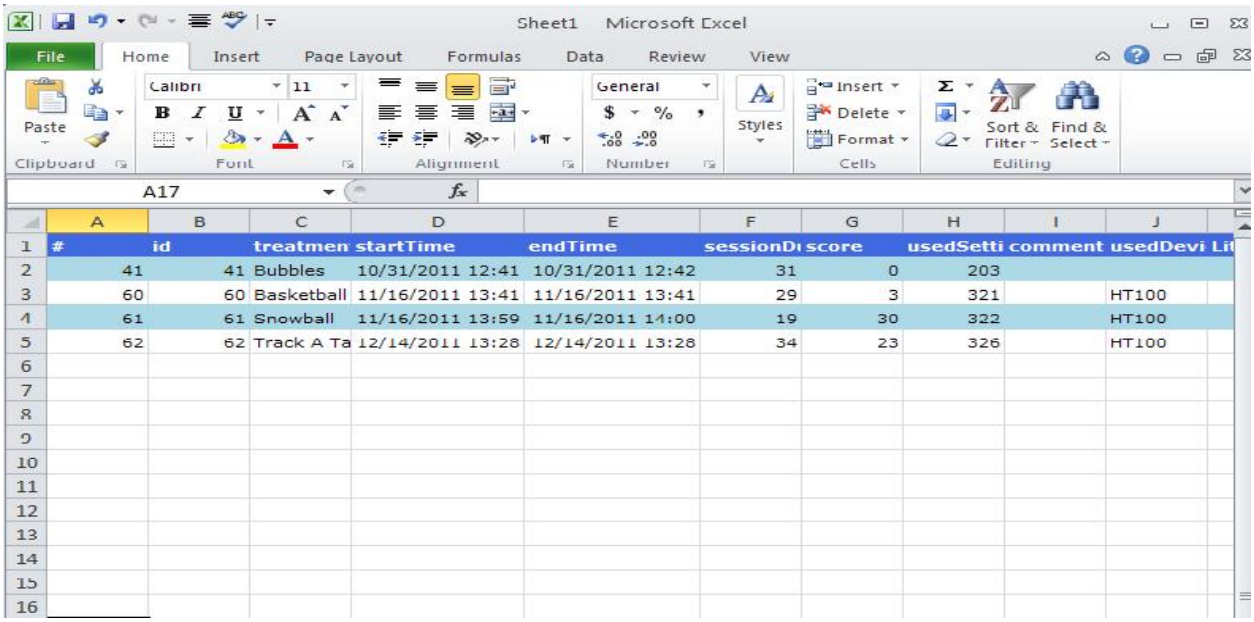
1- Verify **an Excel** is installed on your computer

2- Open **Treatments Sessions Log**

3- Press on **Export**

4- The results appear on **excel file**


Treatments Sessions Log - Patient:Smith David [112233455]
View Setting
Export
ID Treatment Name Start Time End Time Duration Score Used Setting Comment Used Devices
41 41 Bubbles 10/31/2011 12:4... 10/31/2011 12:4... 31 0 203
60 60 Basketball 11/16/2011 1:41... 11/16/2011 1:41... 29 3 321 HT100
61 61 Snowball 11/16/2011 1:59... 11/16/2011 2:00... 19 30 322 HT100
62 62 Track A Target 12/14/2011 1:28... 12/14/2011 1:28... 34 23 326 HT100
Export
Open Created File On Finish
Export Treatment Setting Data
Export Dynamic Range Setting
Cancel
Export
Session Summary
Treatment Name: Track A Target
Session Date: 12/14/2011 1:28:04 PM
Used Devices: HT100
Comment :
==========
Treatment Setting Details
Parameter Name Parameter Va
Automatic False
Primary AudioFailure True
Primary AudioSuccess False
Priamry Range Full
Primary AudioFailure False
Primary AudioSuccess False
numRounds 1
numTimeBottom 5
Dynamic Range Setting
DeviceName Part Name Value
HT100 Little 14 mm
Ring 8 mm
Wrist 15 mm
Thumb 9 mm
Index 5 mm
Middle 9 mm


Sheet1 Microsoft Excel
File Home Insert Page Layout Formulas Data Review View
Paste Clipboard Calibri 11 Font Alignment General Number Styles Insert Delete Format Cells Sort & Filter Find & Select Editing
A17
A B C D E F G H I J
id treatmen startTime endTime sessionDi score usedSetti comment usedDevi Lit
41 41 Bubbles 10/31/2011 12:41 10/31/2011 12:42 31 0 203
60 60 Basketball 11/16/2011 13:41 11/16/2011 13:41 29 3 321 HT100
61 61 Snowball 11/16/2011 13:59 11/16/2011 14:00 19 30 322 HT100
62 62 Track A Ta 12/14/2011 13:28 12/14/2011 13:28 34 23 326 HT100

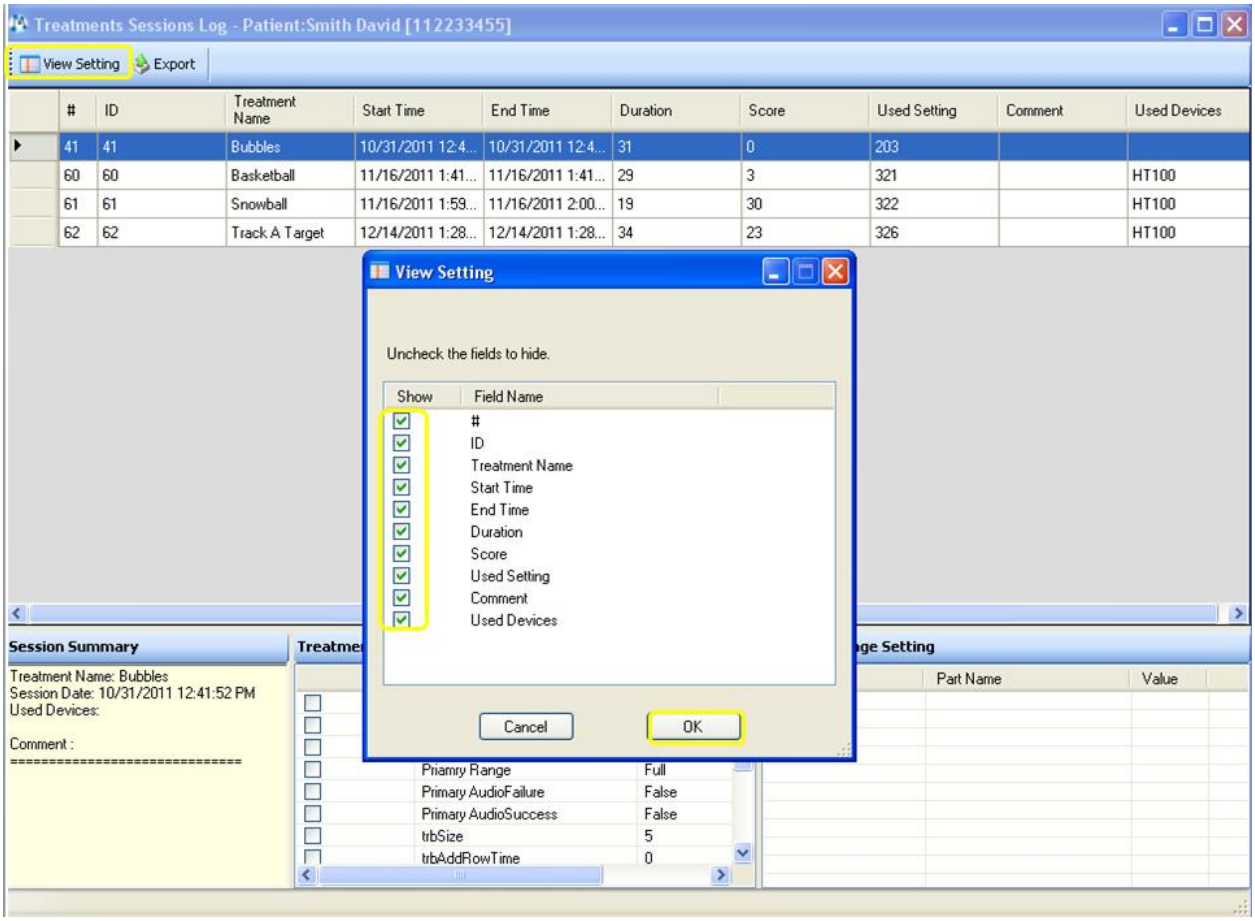
How to change view setting

1- Open **Treatments Sessions Log**

2- Press on **View Setting**

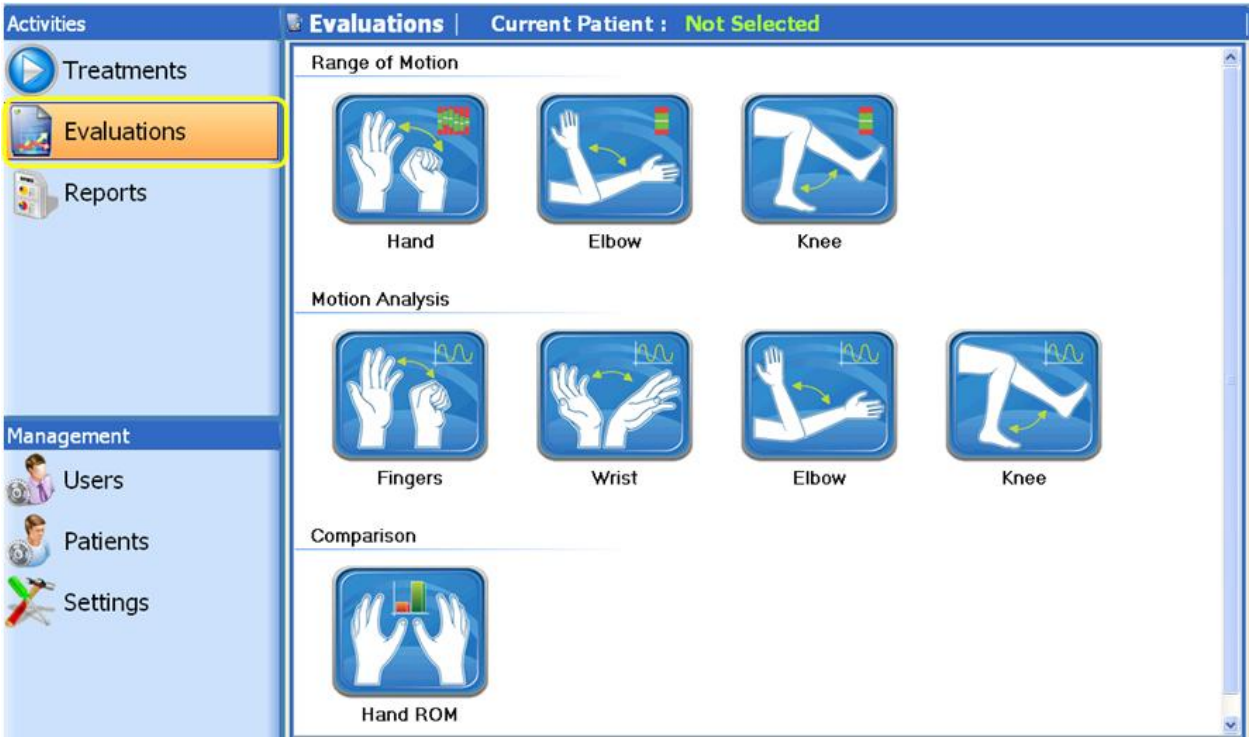
3- Mark **Show,** the fields you preferred to see

4- Press **OK**



Activities – Evaluations

MediTutor™ allows the evaluation of the patients biomechanical and kinematics' hand performance. Proper evaluation of these parameters allows the therapist to better understand the patient's hand impairment and customize a rehabilitation program that will lead to improvement in hand function. Access to the Evaluation list is facilitated by clicking on the **Evaluations** button on the below menu found on the introductory software window.



Evaluations types

The MediTutor™ software has been designed to produce evaluations for HandTutor, ArmTutor and LegTutor:

HandTutor

Hand ROM

The Range of Motion (ROM) evaluation option is designed to evaluate both total passive ROM of fingers and wrist joint and Active ROM of fingers and wrist joint relatively to passive ROM.
To start **Hand ROM** evaluation follows instructions:

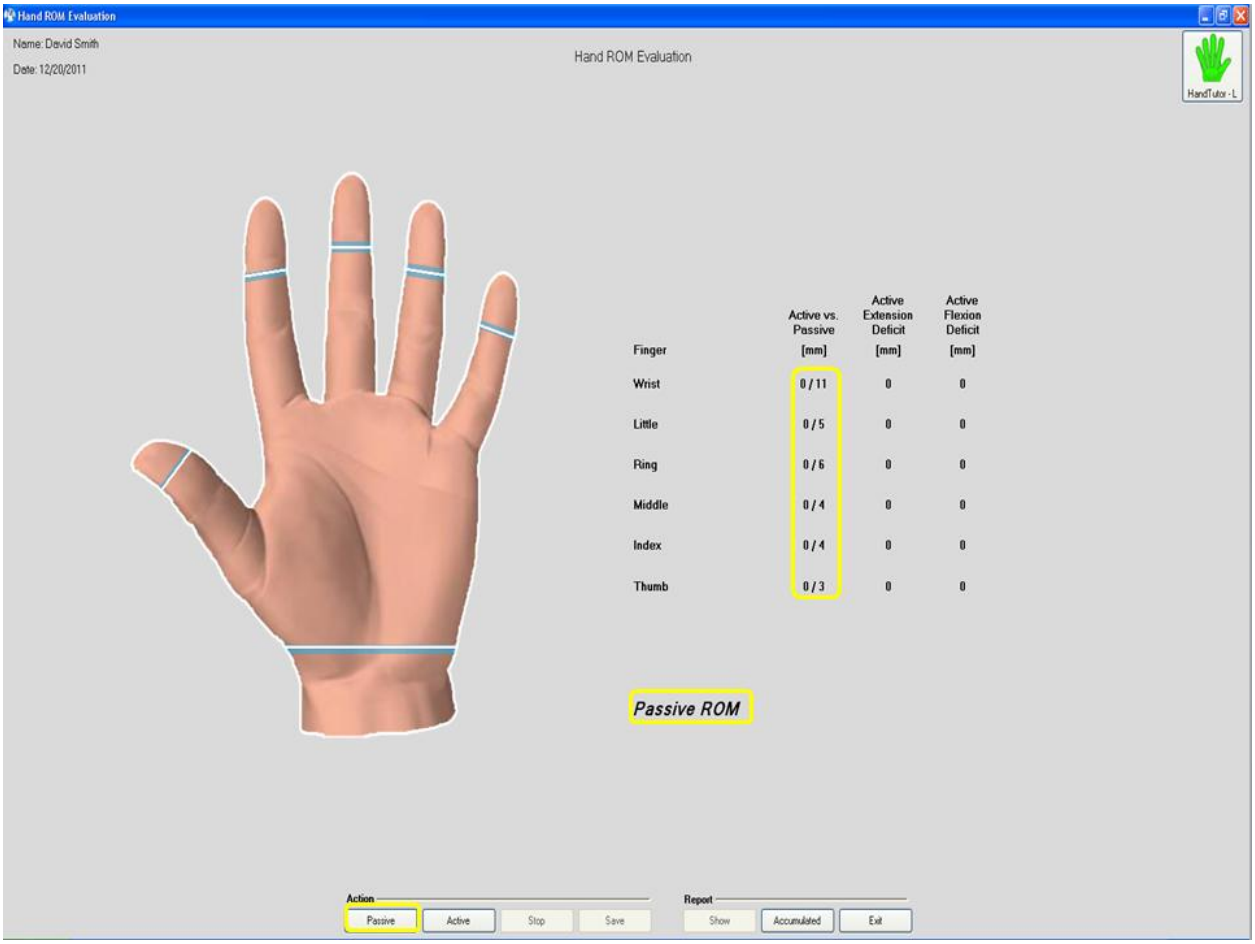
1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to **Evaluations**
4- Press on **Hand ROM** evaluation
5- **Hand ROM** window will appear
6- Take **Passive** ROM

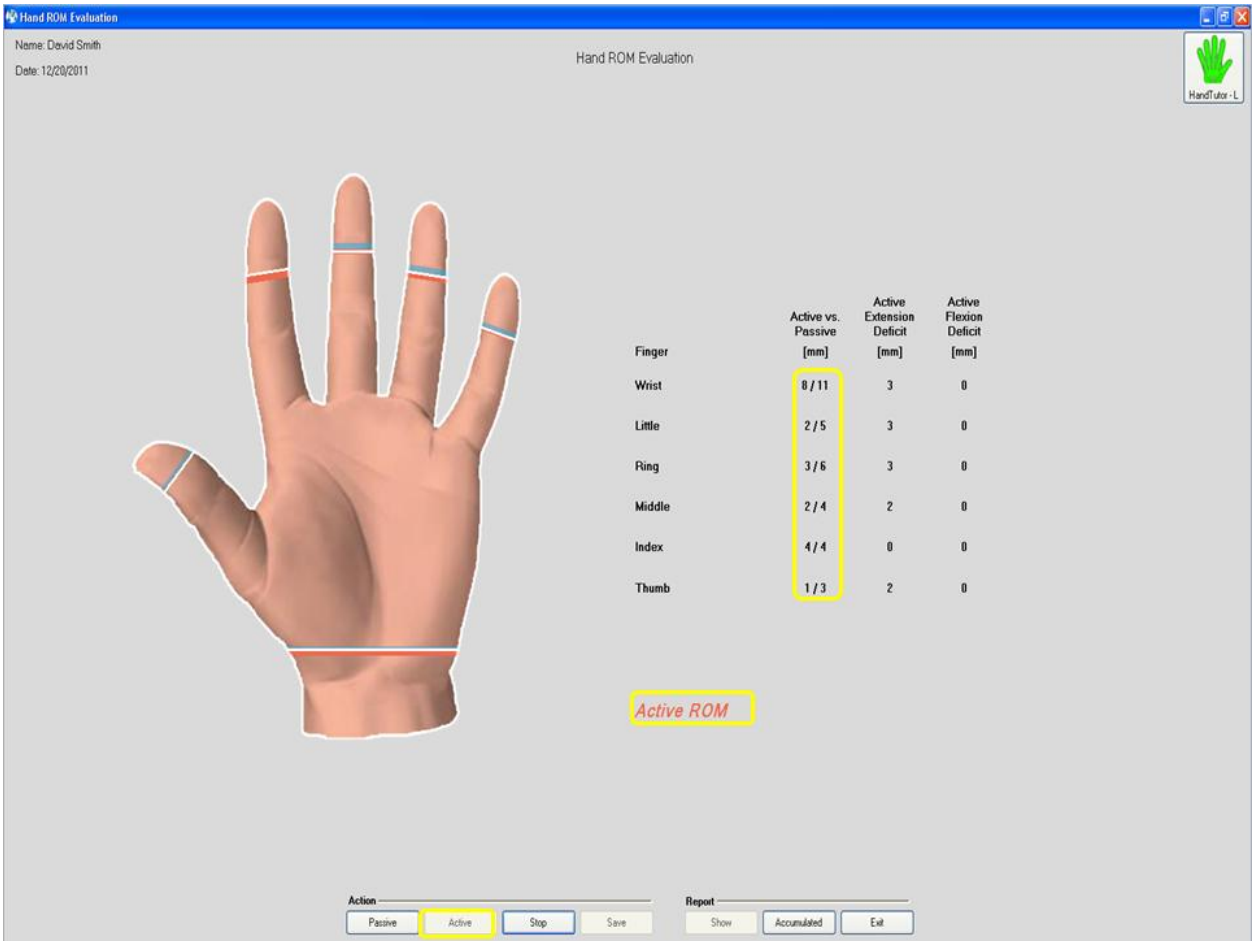
7- Take **Active** ROM

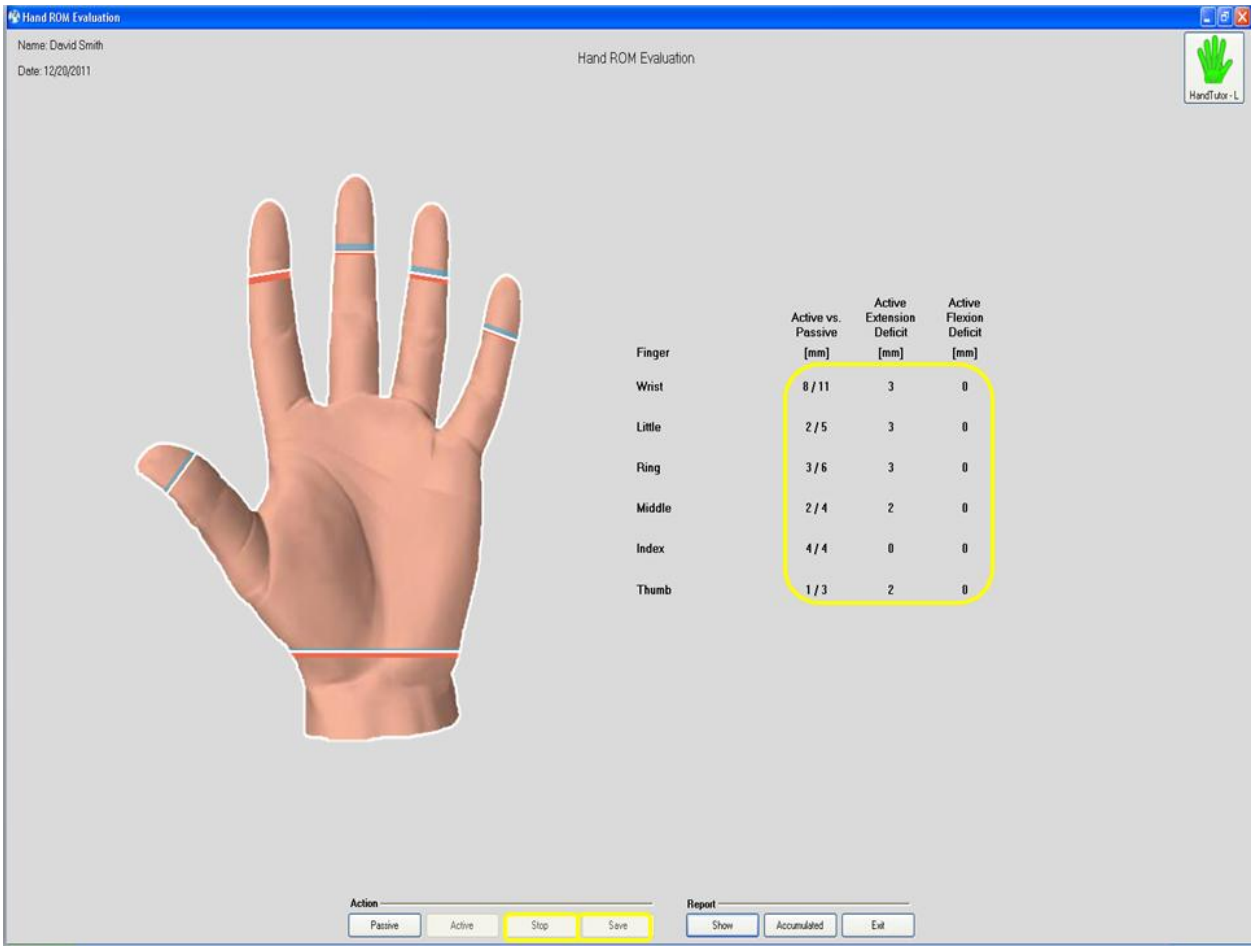
8- Press **Stop** to restart evaluation or to save it

9- Press **Save**

10- You can press **Show** or **Accumulated** to see single or Accumulated report respectively


Hand ROM Evaluation
Name: Devid Smith
Date: 12/20/2011
Hand ROM Evaluation
HandTutor - L
Finger
Active vs. Passive [mm]
Active Extension Deficit [mm]
Active Flexion Deficit [mm]
Wrist 0 / 11 0 0
Little 0 / 5 0 0
Ring 0 / 6 0 0
Middle 0 / 4 0 0
Index 0 / 4 0 0
Thumb 0 / 3 0 0
Passive ROM
Action
Passive
Active
Stop
Save
Report
Show
Accumulated
Exit


Hand ROM Evaluation
Name: David Smith
Date: 12/28/2011
Hand ROM Evaluation
HandTutor - L
Finger
Active vs. Passive [mm]
Active Extension Deficit [mm]
Active Flexion Deficit [mm]
Wrist 8 / 11 3 0
Little 2 / 5 3 0
Ring 3 / 6 3 0
Middle 2 / 4 2 0
Index 4 / 4 0 0
Thumb 1 / 3 2 0
Active ROM
Action
Passive
Active
Stop
Save
Report
Show
Accumulated
Exit



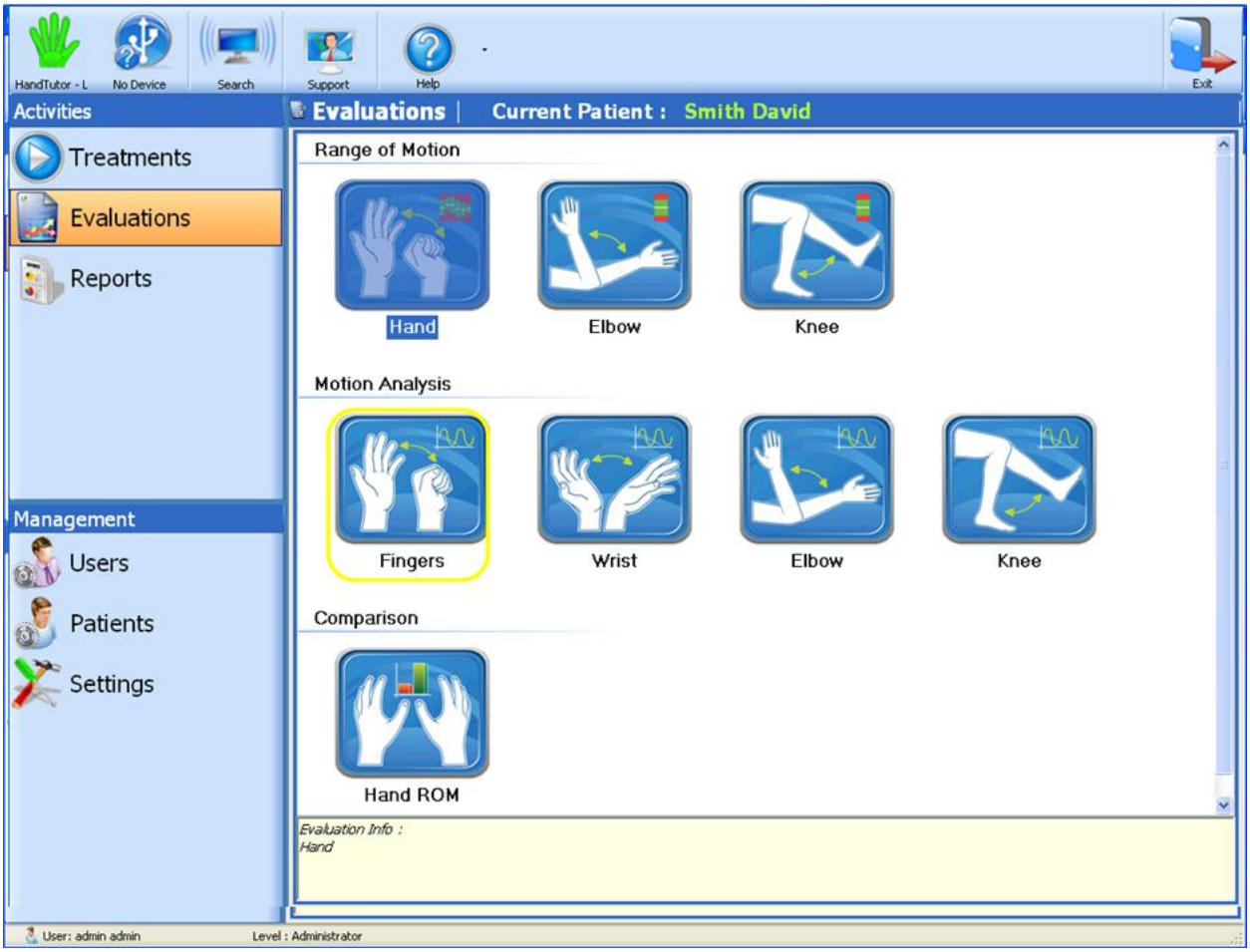
Finger Motion Analysis

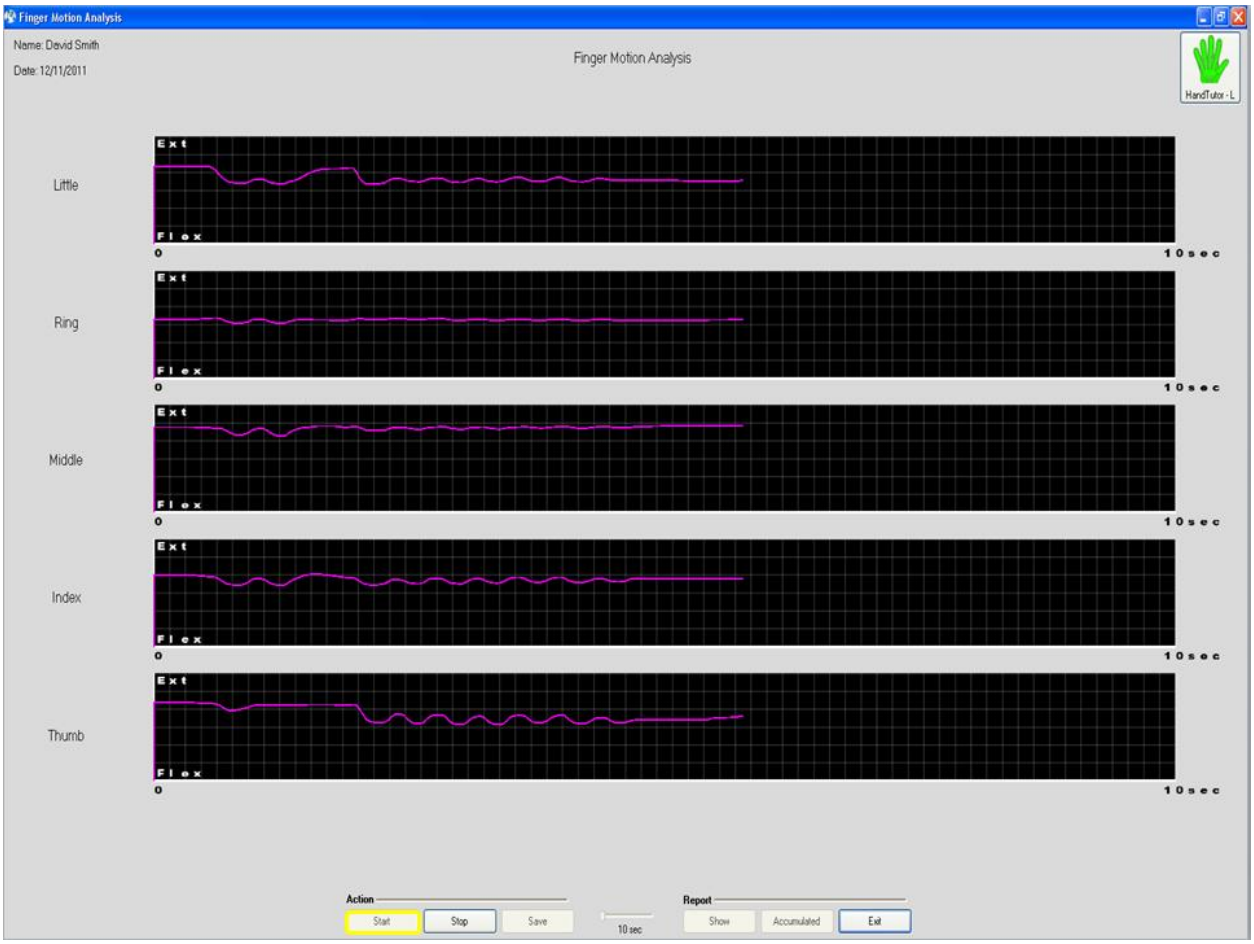
The Finger Motion Analysis option is designed to evaluate cyclical extension and contraction movements of the fingers. To start **Finger Motion Analysis** evaluation follows instructions:

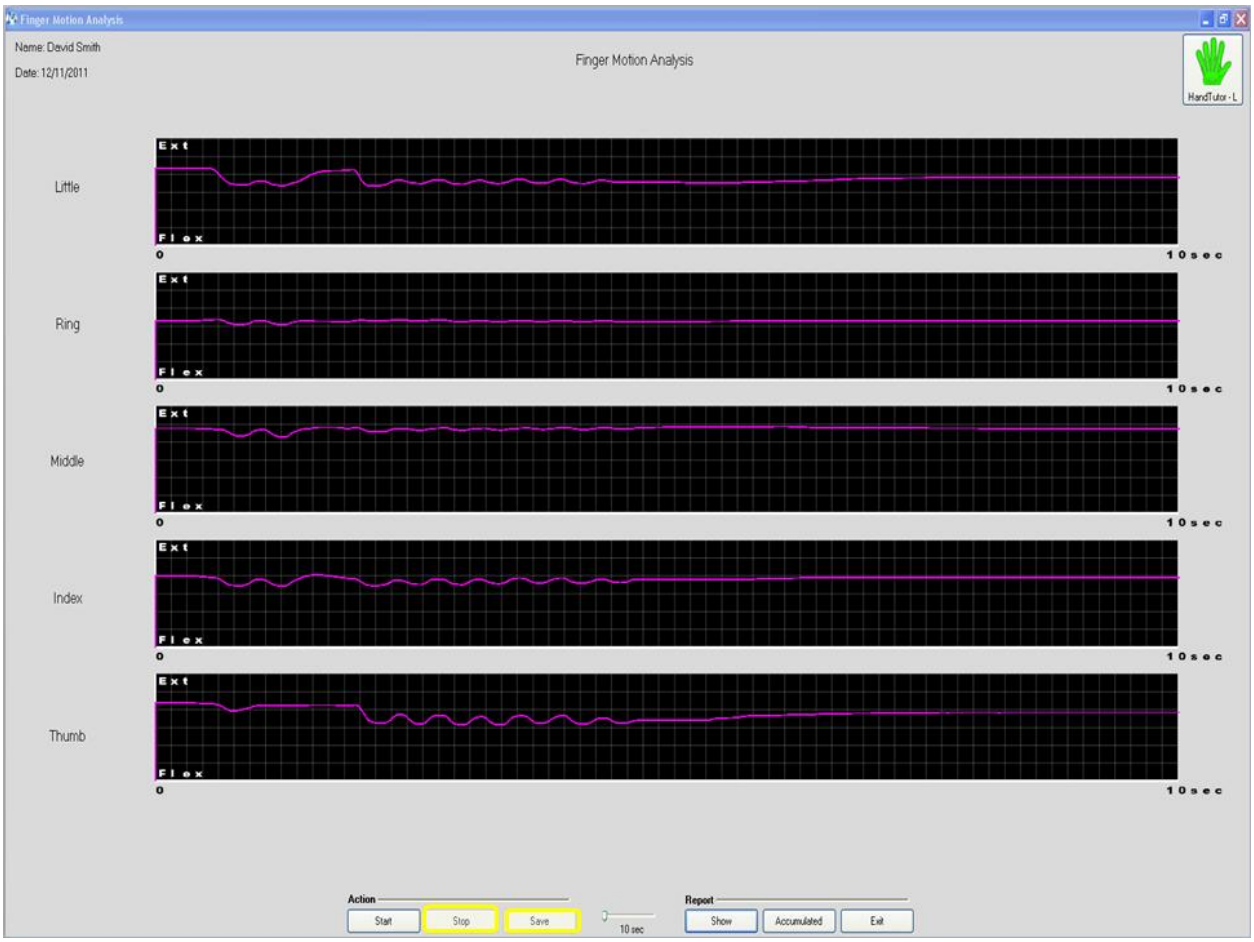
1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to **Evaluations**
4- Press on **Finger Motion Analysis** evaluation
5- **Finger Motion Analysis** window will appear
6- Choose evaluation time between 10 to 30 seconds
7- Press **Start**
8- Press **Stop** to restart evaluation or to save it

9- When finish to run press **Save**

10- You can press **Show** or **Accumulated** to see single or Accumulated report respectively




Finger Motion Analysis
Name: David Smith
Date: 12/11/2011
Finger Motion Analysis
HandTutor - L
Little
Ring
Middle
Index
Thumb
Ext
Flex
0
10sec
Action
Start
Stop
Save
10 sec
Report
Show
Accumulated
Exit

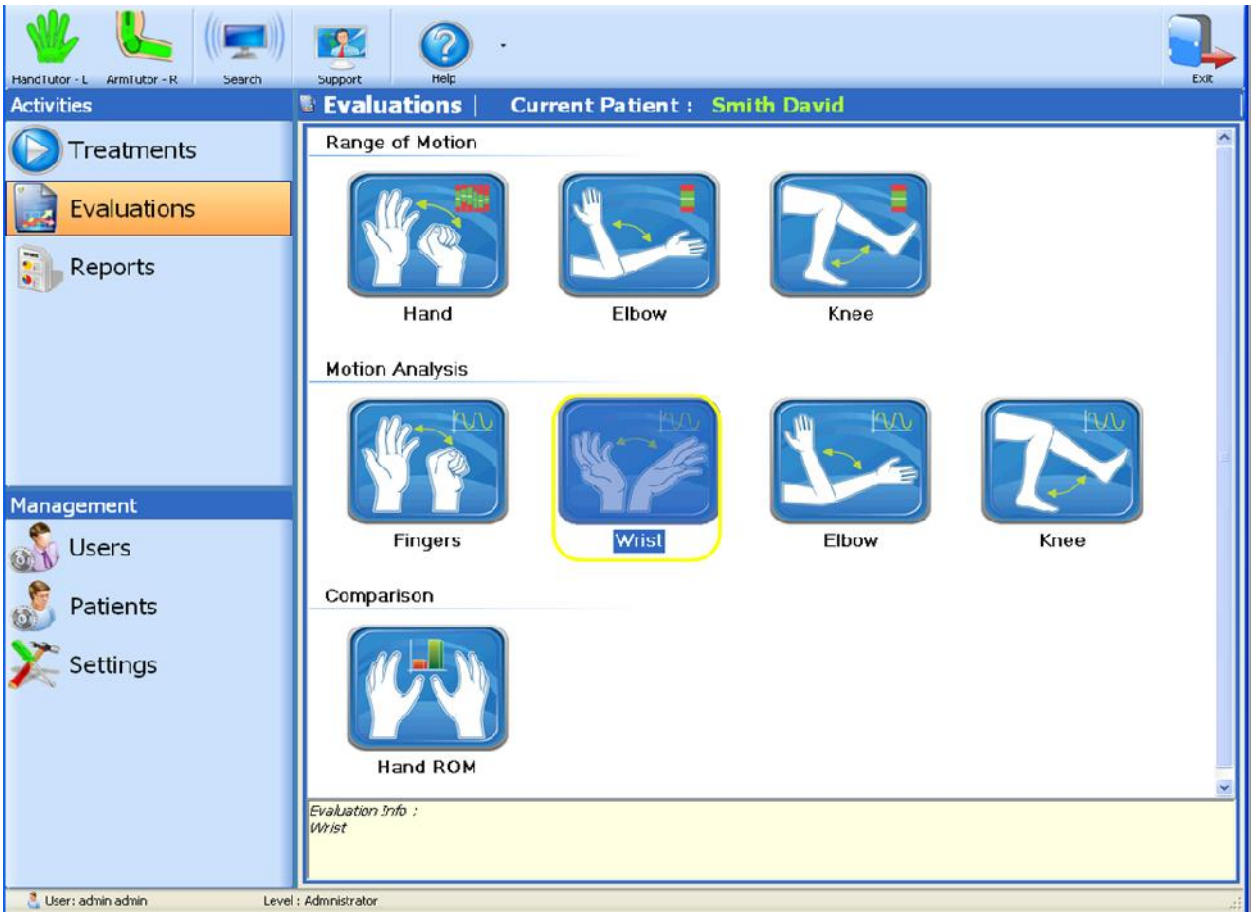


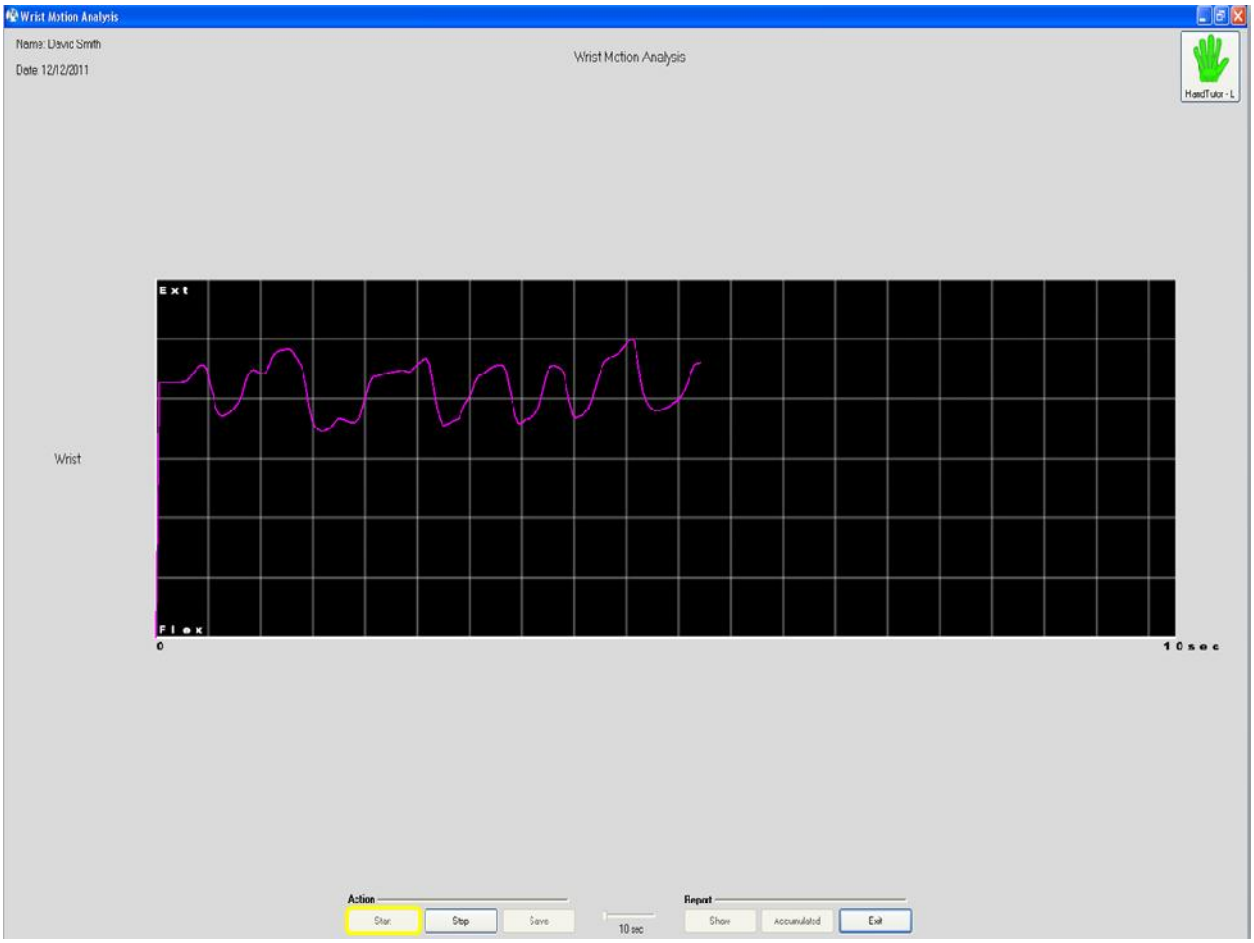
Wrist Motion Analysis

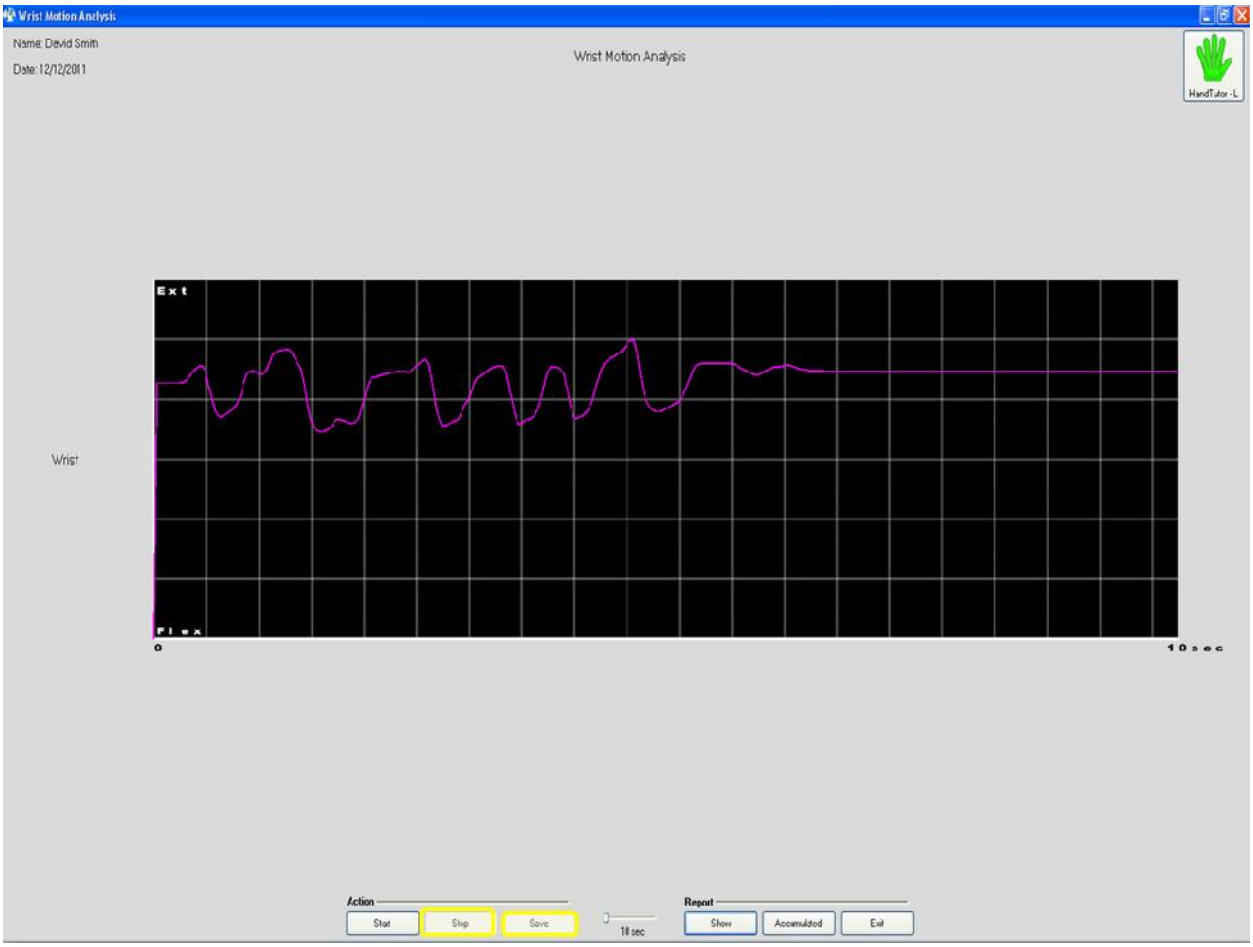
The Wrist Motion Analysis option is designed to evaluate cyclical extension and contraction movements of the wrist. To start **Wrist Motion Analysis** evaluation follows instructions:

1- **Connect** HandTutor and **calibrate** it.
2- **Put it on** patient hand
3- Go to **Evaluations**
4- Press on **Wrist Motion Analysis** evaluation
5- **Wrist Motion Analysis** window will appear
6- Choose evaluation time between 10 to 30 seconds
7- Press **Start**
8- Press **Stop** to restart evaluation or to save it
9- When finish to run press **Save**

10- You can press **Show** or **Accumulated** to see single or Accumulated report respectively




Wrist Motion Analysis
Name: Davic Smith
Date 12/12/2011
Wrist Motion Analysis
HandTutor - L
Ext
Wrist
Flex
0
10 sec
Action
Start
Stop
Save
10 sec
Report
Show
Accumulated
Exit



Comparison Hand ROM

Not supported in this version

ArmTutor

Elbow ROM

The Elbow ROM evaluation option is designed to evaluate Active ROM of elbow relatively to passive ROM. To start Elbow ROM evaluation follows instructions:

1- **Connect** ArmTutor and **calibrate** it.
2- **Put it on** patient arm
3- Go to **Evaluations**
4- Press on **Elbow ROM** evaluation

5- **Elbow ROM** window will appear

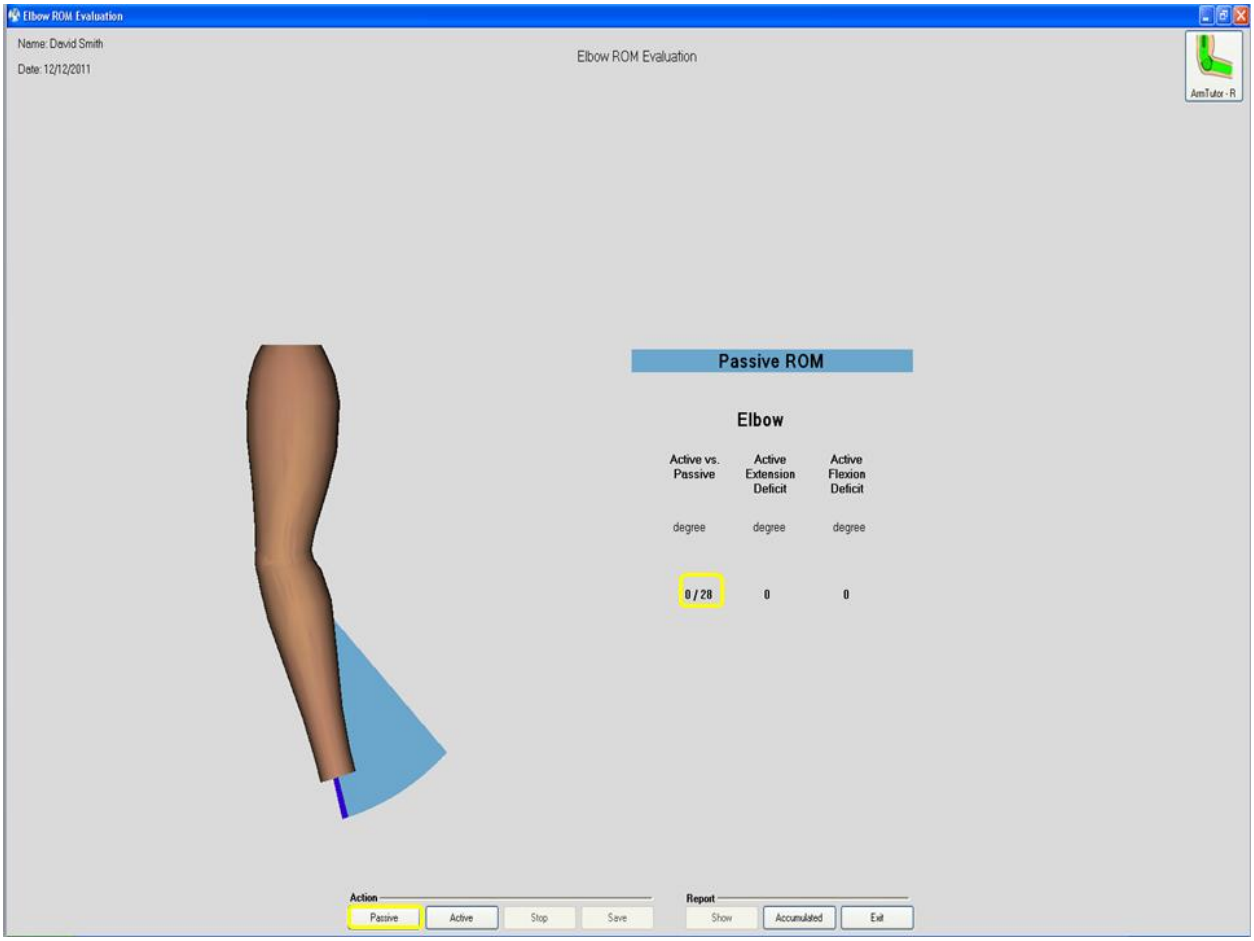
6- Take **Passive** ROM

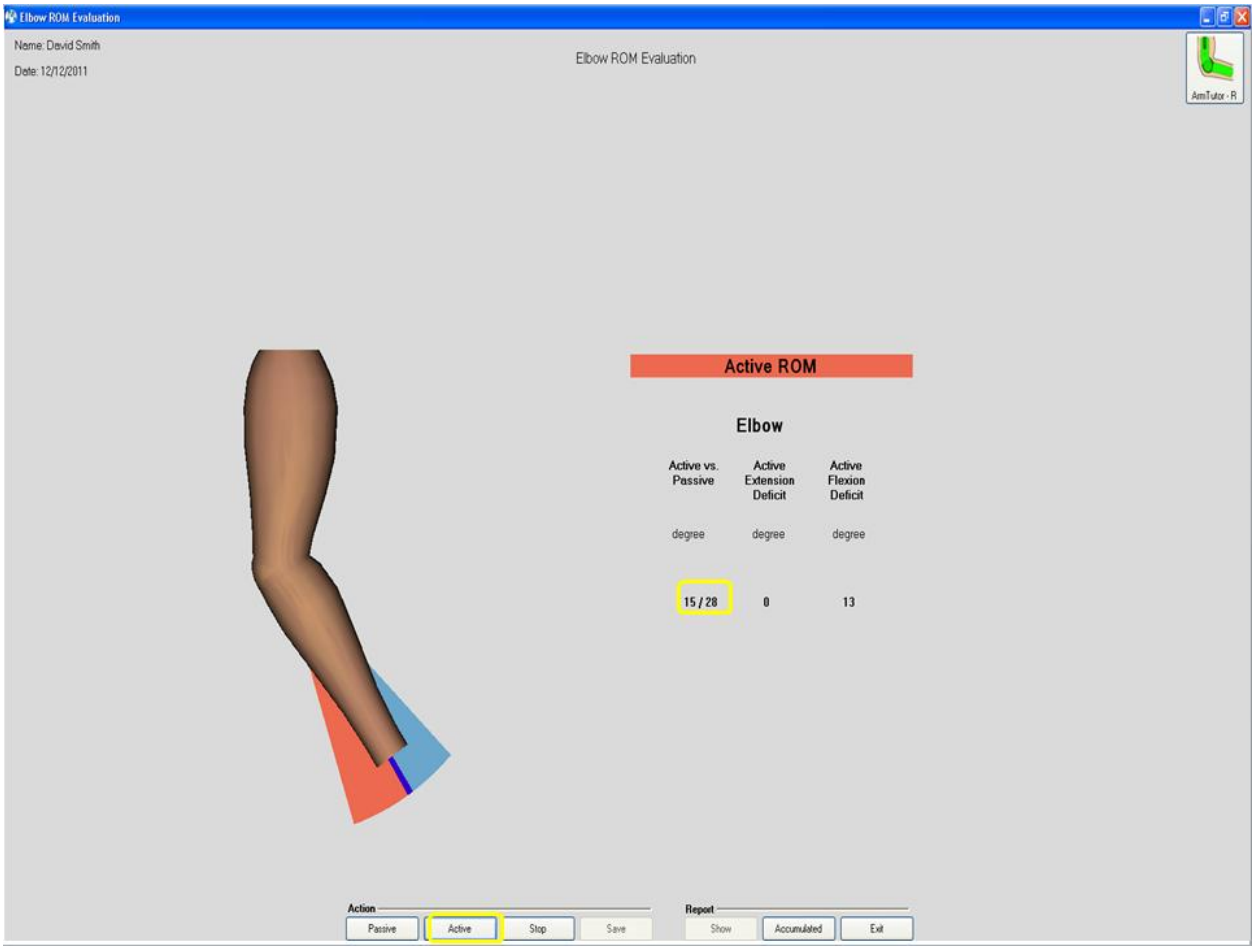
7- Take **Active** ROM

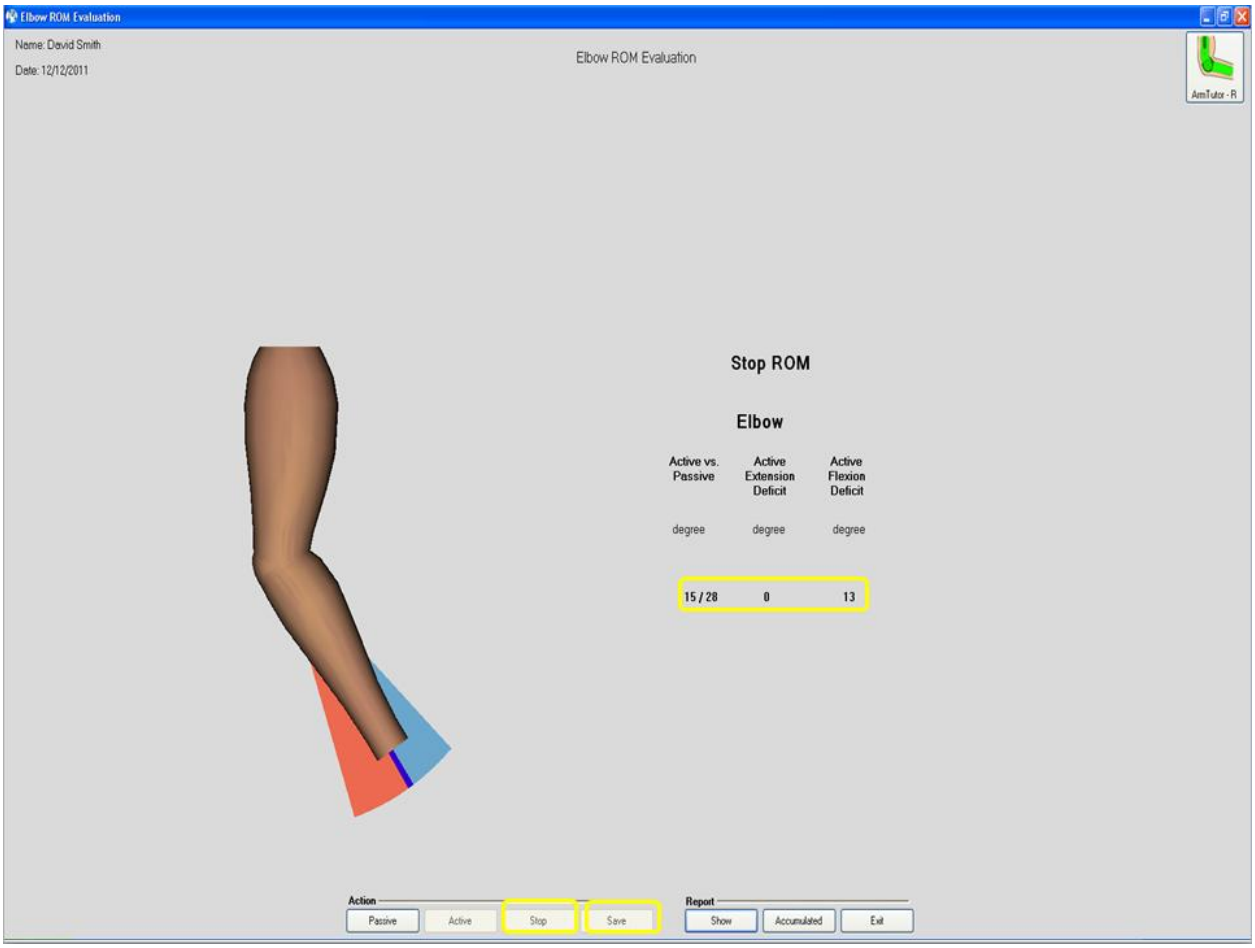
8- Press **Stop** to restart evaluation or to save it

9- Press **Save**

10- You can press **Show** or **Accumulated** to see single or Accumulated report respectively


Elbow ROM Evaluation
Name: David Smith
Date: 12/12/2011
Elbow ROM Evaluation
ArmTutor - R
Passive ROM
Elbow
Active vs. Passive
Active Extension Deficit
Active Flexion Deficit
degree
degree
degree
0 / 28
0
0
Action
Passive
Active
Stop
Save
Report
Show
Accumulated
Exit


Elbow ROM Evaluation
Name: David Smith
Date: 12/12/2011
Elbow ROM Evaluation
AmTutor - R
Active ROM
Elbow
Active vs. Passive
Active Extension Deficit
Active Flexion Deficit
degree
degree
degree
15 / 28
0
13
Action
Passive
Active
Stop
Save
Report
Show
Accumulated
Exit

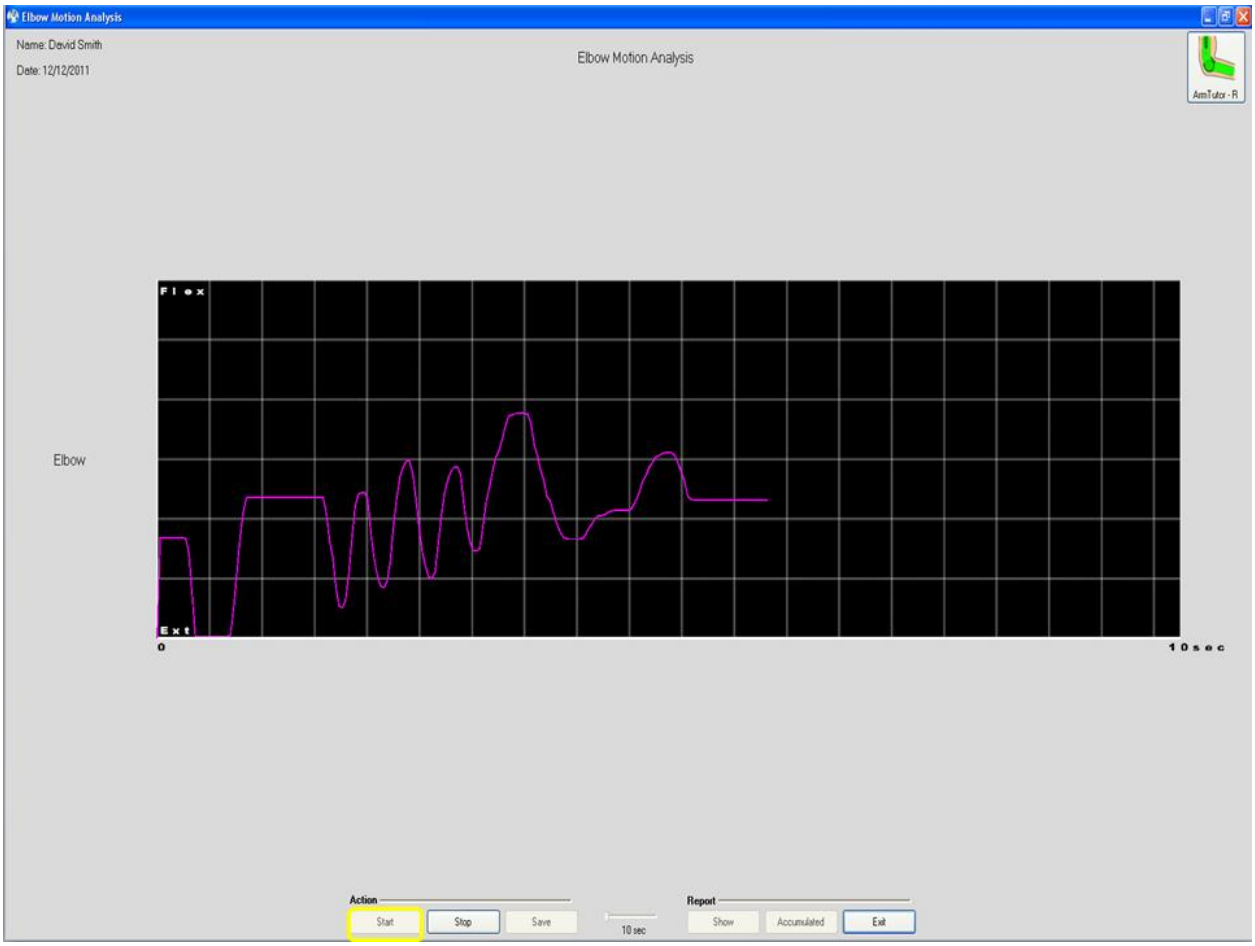


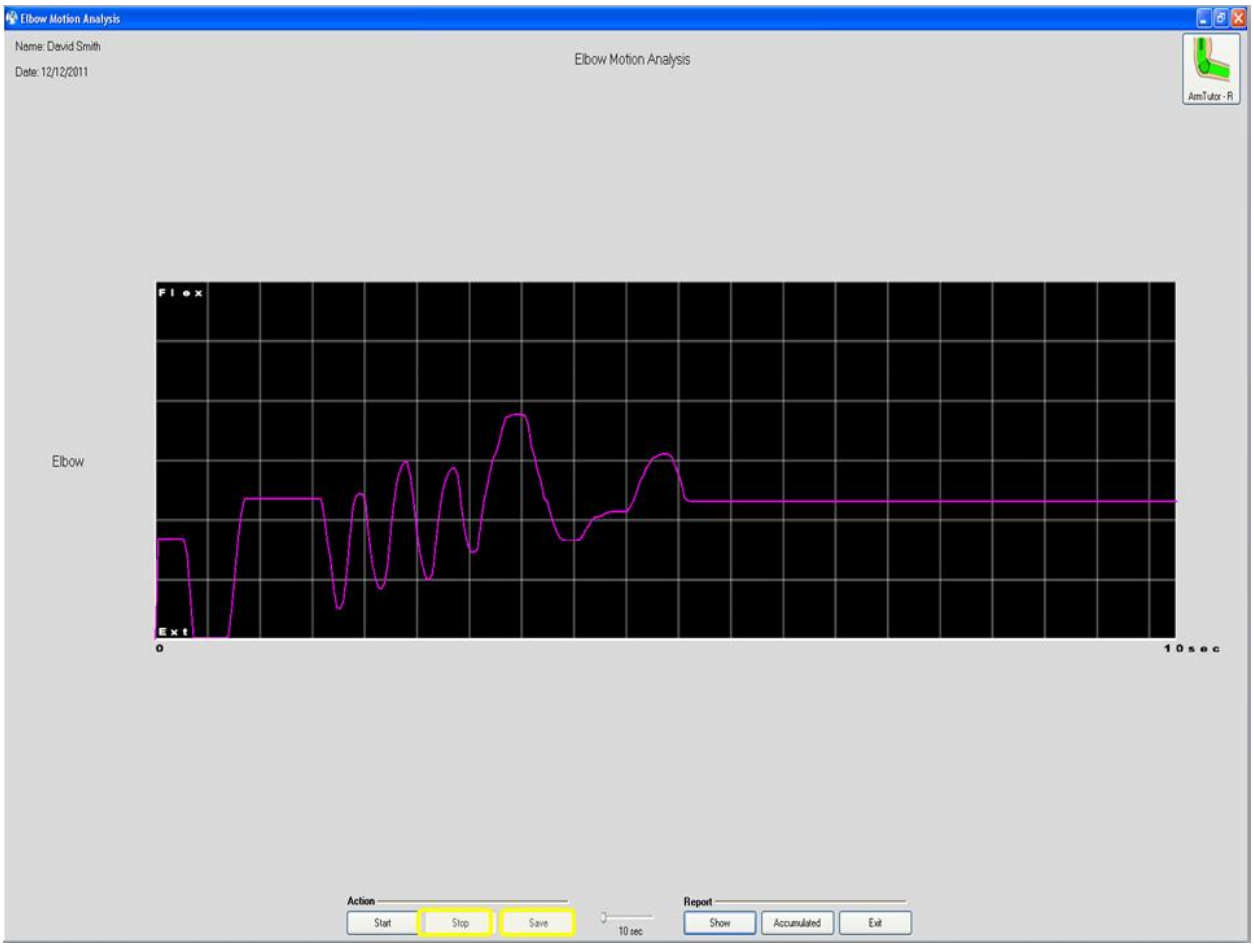
Elbow Motion Analysis

The Elbow Motion Analysis option is designed to evaluate cyclical extension and contraction movements of the elbow. To start Elbow Motion Analysis evaluation follows instructions:

1- **Connect** ArmTutor and **calibrate** it.
2- **Put it on** patient arm
3- Go to **Evaluations**
4- Press on **Elbow Motion Analysis** evaluation
5- **Elbow Motion Analysis** window will appear
6- Choose evaluation time between 10 to 30 seconds
7- Press **Start**
8- Press **Stop** to restart evaluation or to save it
9- When finish to run press **Save**

10- You can press **Show** or **Accumulated** to see single or Accumulated report respectively


Elbow Motion Analysis
Name: David Smith
Date: 12/12/2011
Elbow Motion Analysis
AmTutor - R
Flex
Elbow
Ext
0
10 sec
Action
Start
Stop
Save
10 sec
Report
Show
Accumulated
Exit



LegTutor

Knee ROM

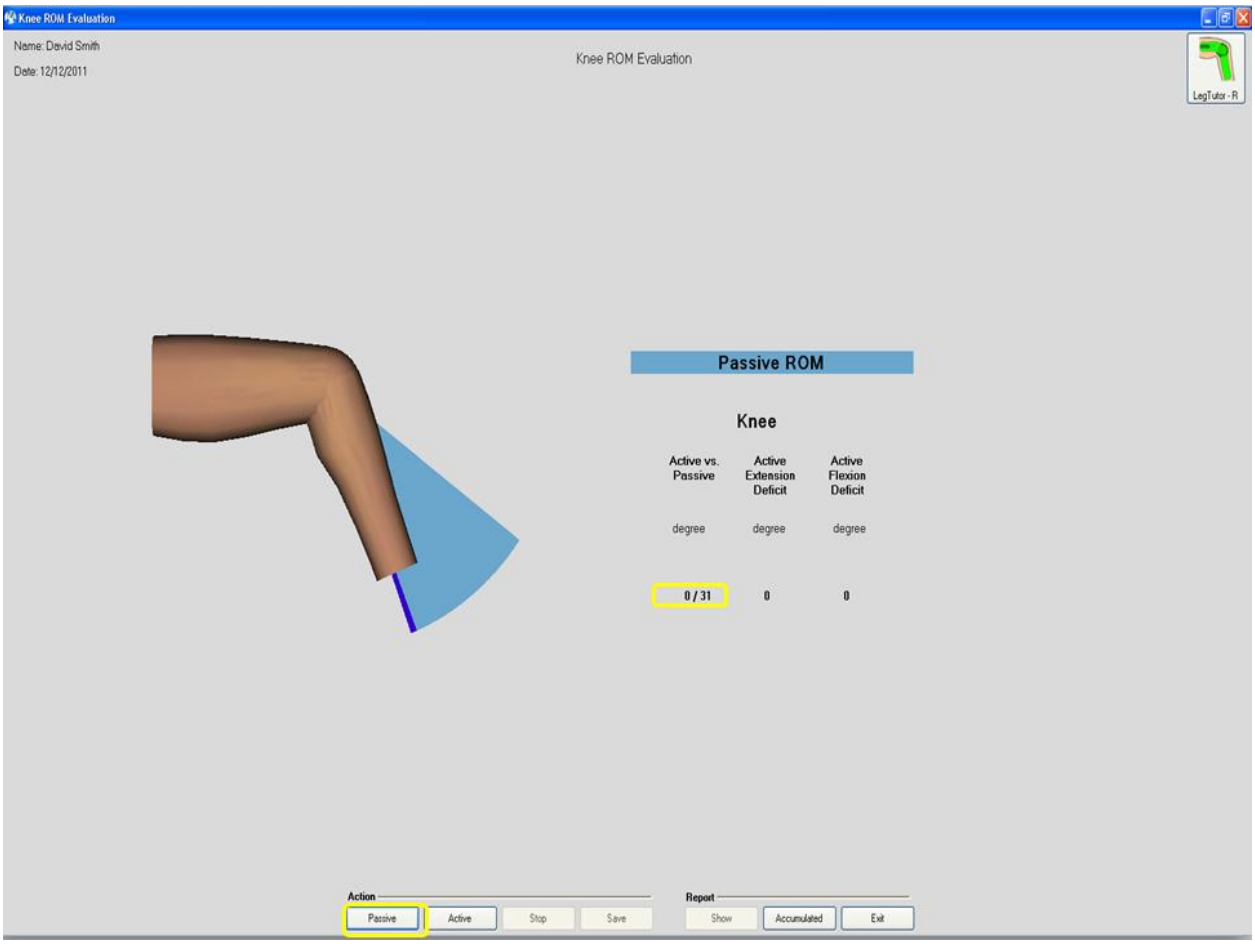
The Knee ROM evaluation option is designed to evaluate Active ROM of knee relatively to passive ROM. To start Knee ROM evaluation follows instructions:

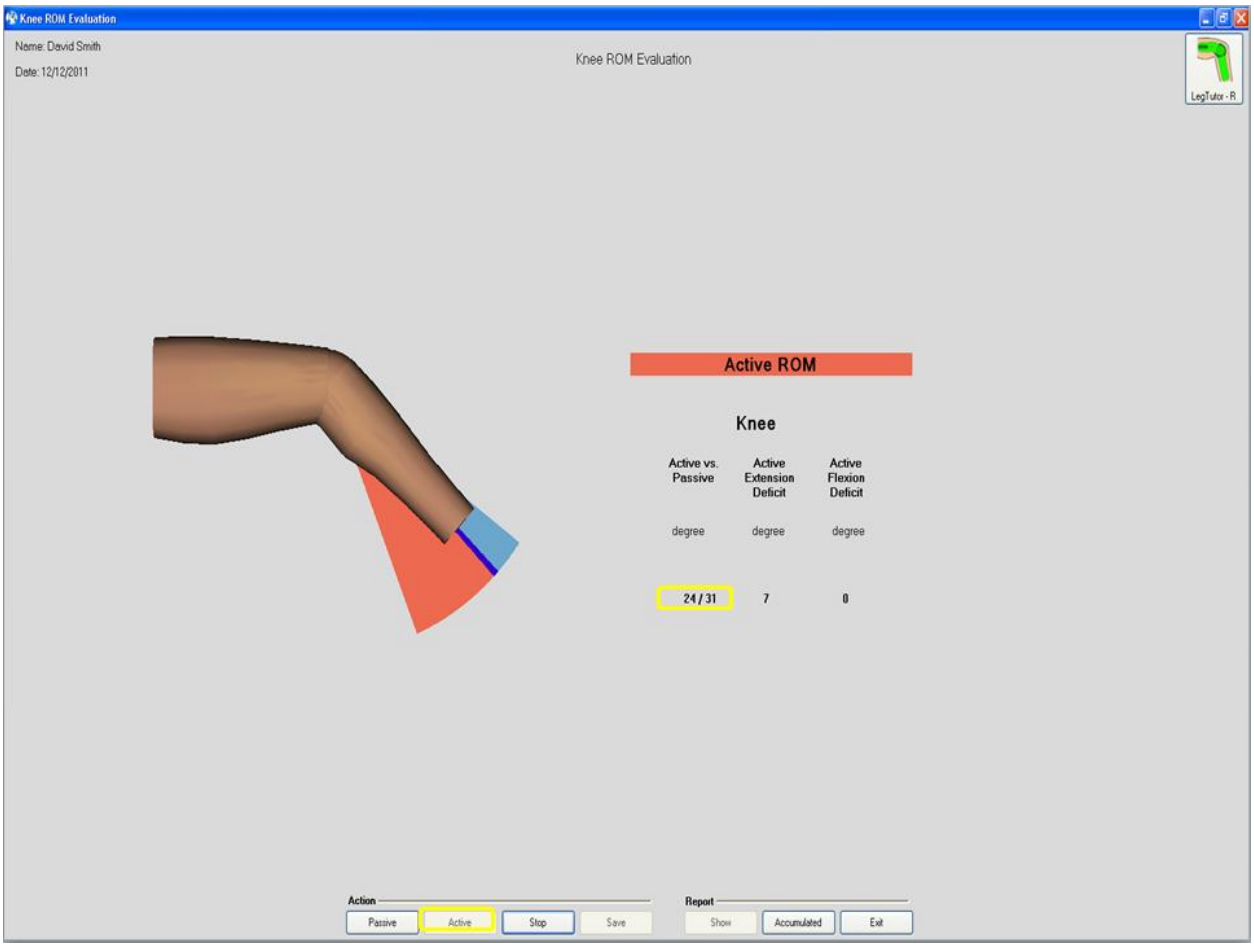
1- **Connect** LegTutor and **calibrate** it.
2- **Put it on** patient leg
3- Go to **Evaluations**
4- Press on **Knee ROM** evaluation
5- **Knee ROM** window will appear
6- Take **Passive** ROM
7- Take **Active** ROM

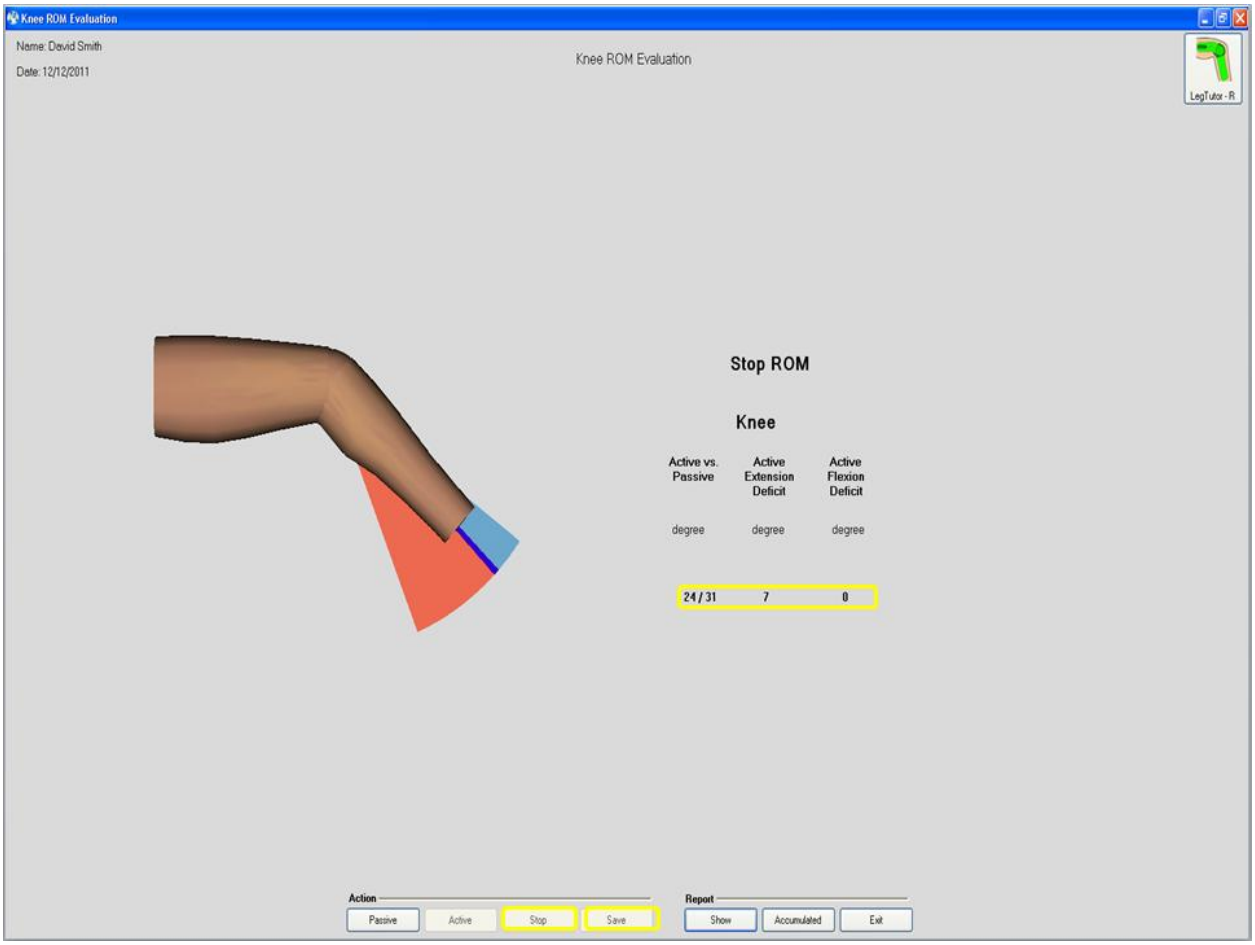
8- Press **Stop** to restart evaluation or to save it

9- Press **Save**

10- You can press **Show** or **Accumulated** to see single or Accumulated report respectively


Knee ROM Evaluation
Name: David Smith
Date: 12/12/2011
Knee ROM Evaluation
LegTutor - R
Passive ROM
Knee
Active vs. Passive
Active Extension Deficit
Active Flexion Deficit
degree
degree
degree
0 / 31
0
0
Action
Passive
Active
Stop
Save
Report
Show
Accumulated
Exit


Knee ROM Evaluation
Name: David Smith
Date: 12/12/2011
Knee ROM Evaluation
LegTutor - R
Active ROM
Knee
Active vs. Passive
Active Extension Deficit
Active Flexion Deficit
degree
degree
degree
24 / 31
7
0
Action
Passive
Active
Stop
Save
Report
Show
Accumulated
Exit

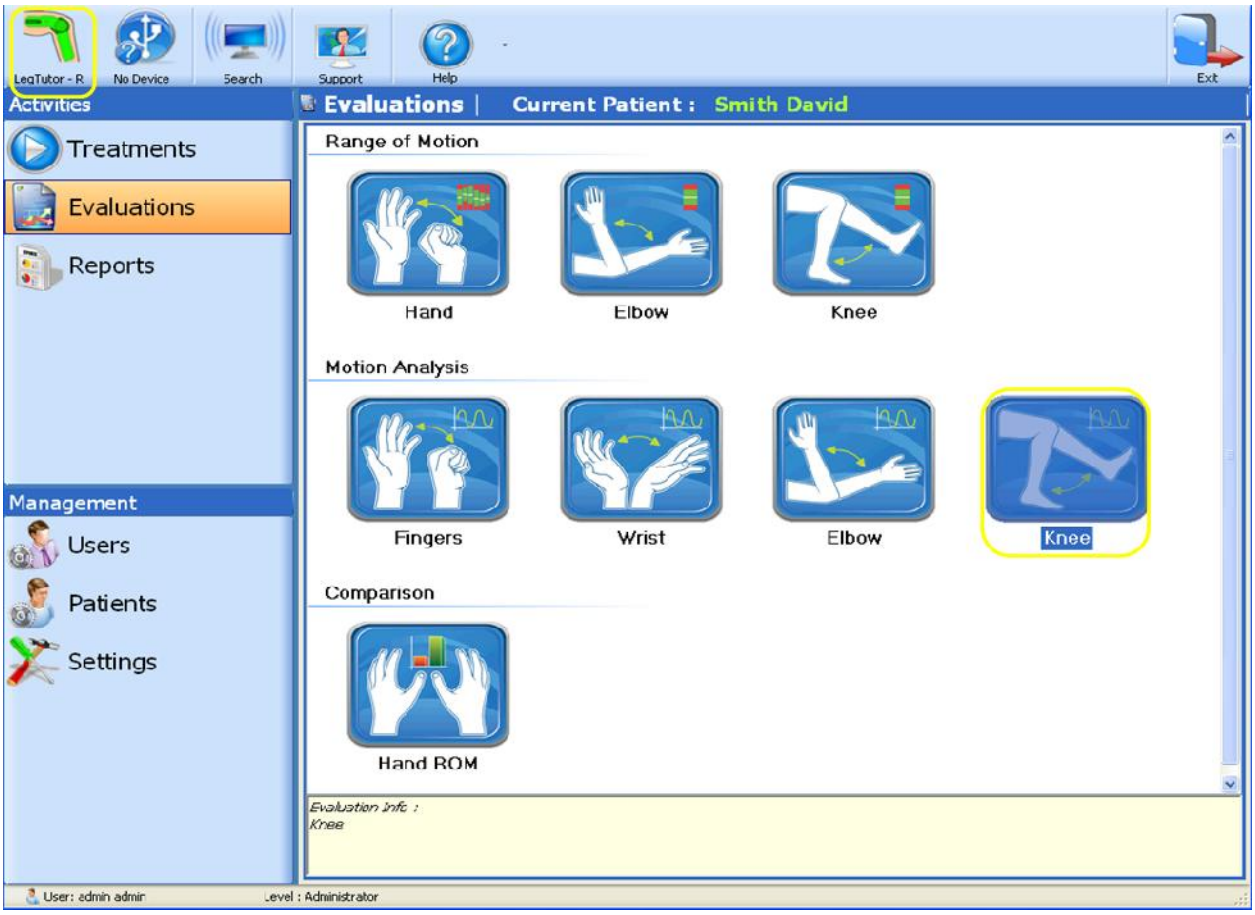


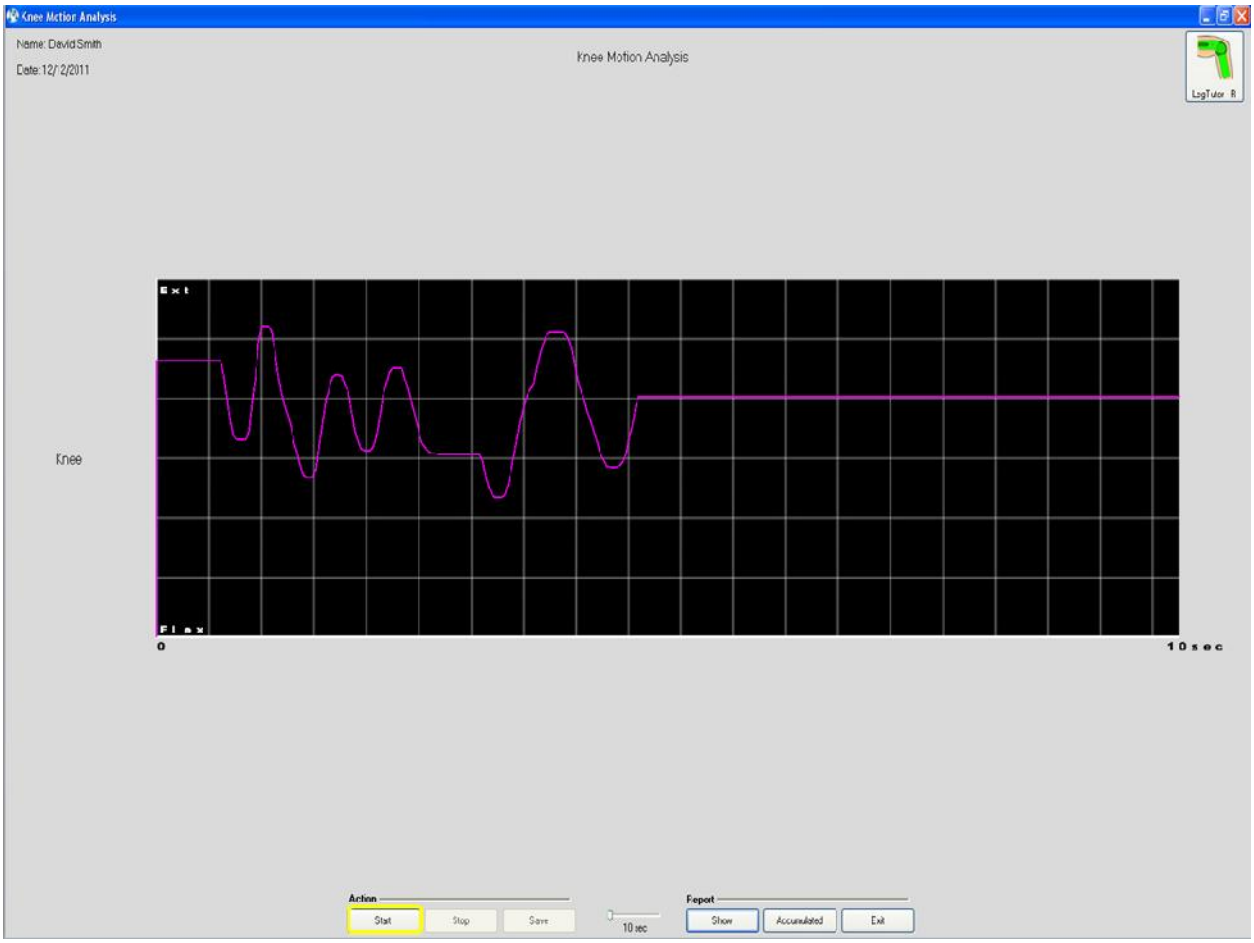
Knee Motion Analysis

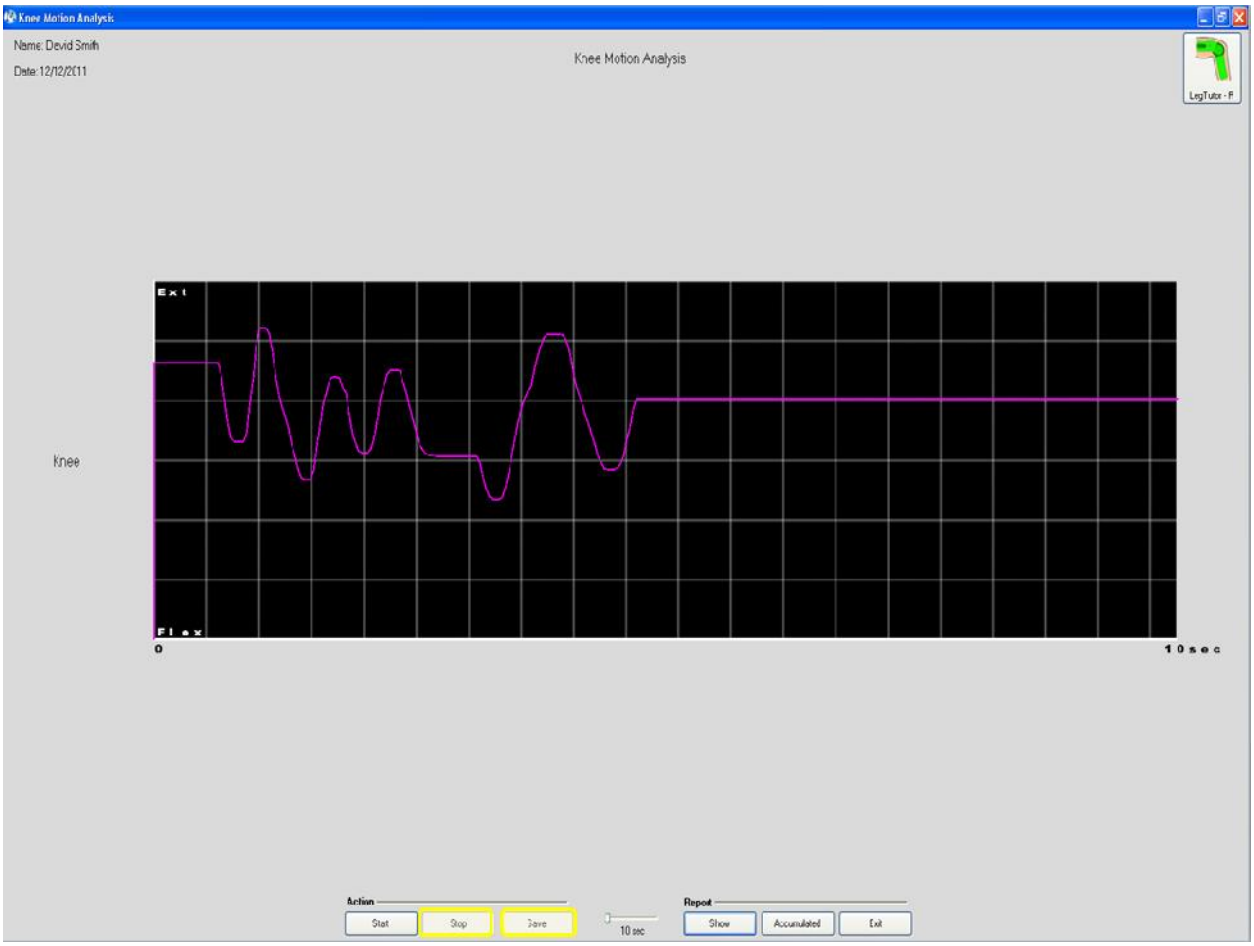
The Knee Motion Analysis option is designed to evaluate cyclical extension and contraction movements of the knee. To start Knee Motion Analysis evaluation follows instructions:

1- **Connect** LegTutor and **calibrate** it.
2- **Put it on** patient leg
3- Go to **Evaluations**
4- Press on **Knee Motion Analysis** evaluation
5- **Knee Motion Analysis** window will appear
6- Choose evaluation time between 10 to 30 seconds
7- Press **Start**
8- Press **Stop** to restart evaluation or to save it
9- When finish to run press **Save**

10- You can press **Show** or **Accumulated** to see single or Accumulated report respectively

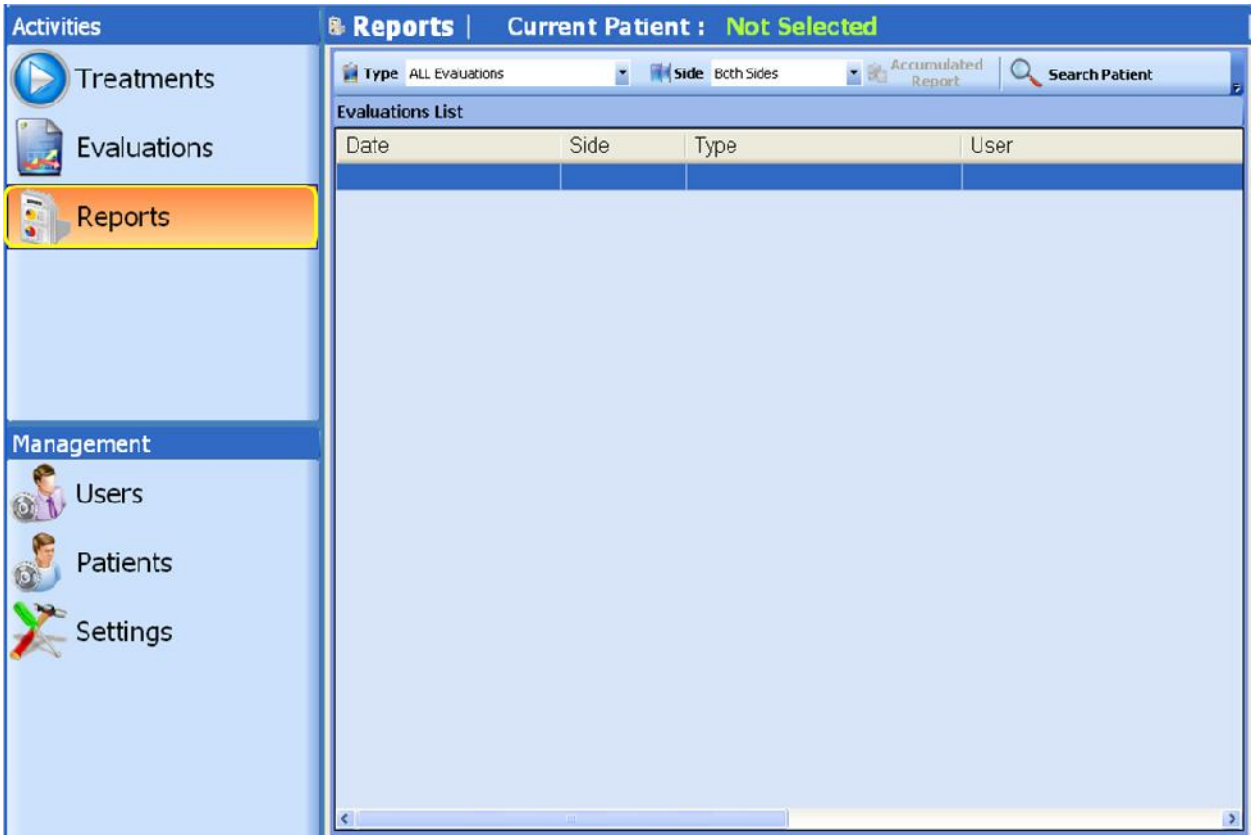



Knee Motion Analysis
Name: David Smith
Date: 12/ 2/2011
Knee Motion Analysis
LogTutor R
Ext
Knee
Flex
0
10 sec
Action
Start
Stop
Save
10 sec
Report
Show
Accumulated
Exit



Activities – Reports

Using report patient to Evaluations list therapist can find and any record of his patients. You can sort evaluations by type and side parameters. In addition, it is possible to delete specific evaluation. Access to the Report list is facilitated by clicking on the **Reports** button on the below menu found on the introductory software window.



Reports types

The MediTutor™ software has been designed to show reports for HandTutor, ArmTutor and LegTutor.

HandTutor Reports

Hand ROM

Single Report

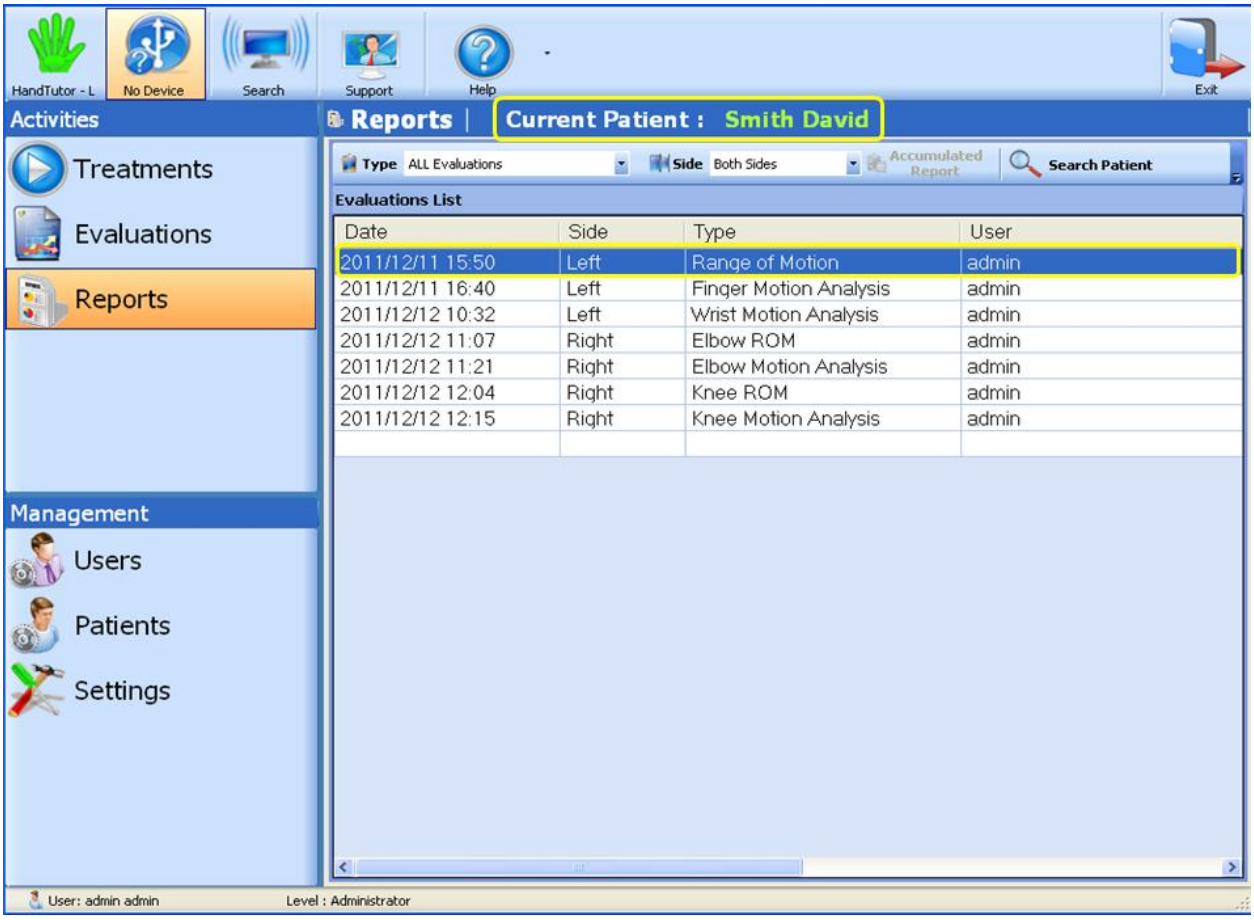
The single report shows a single Hand ROM evaluation. You can print it or save to file.

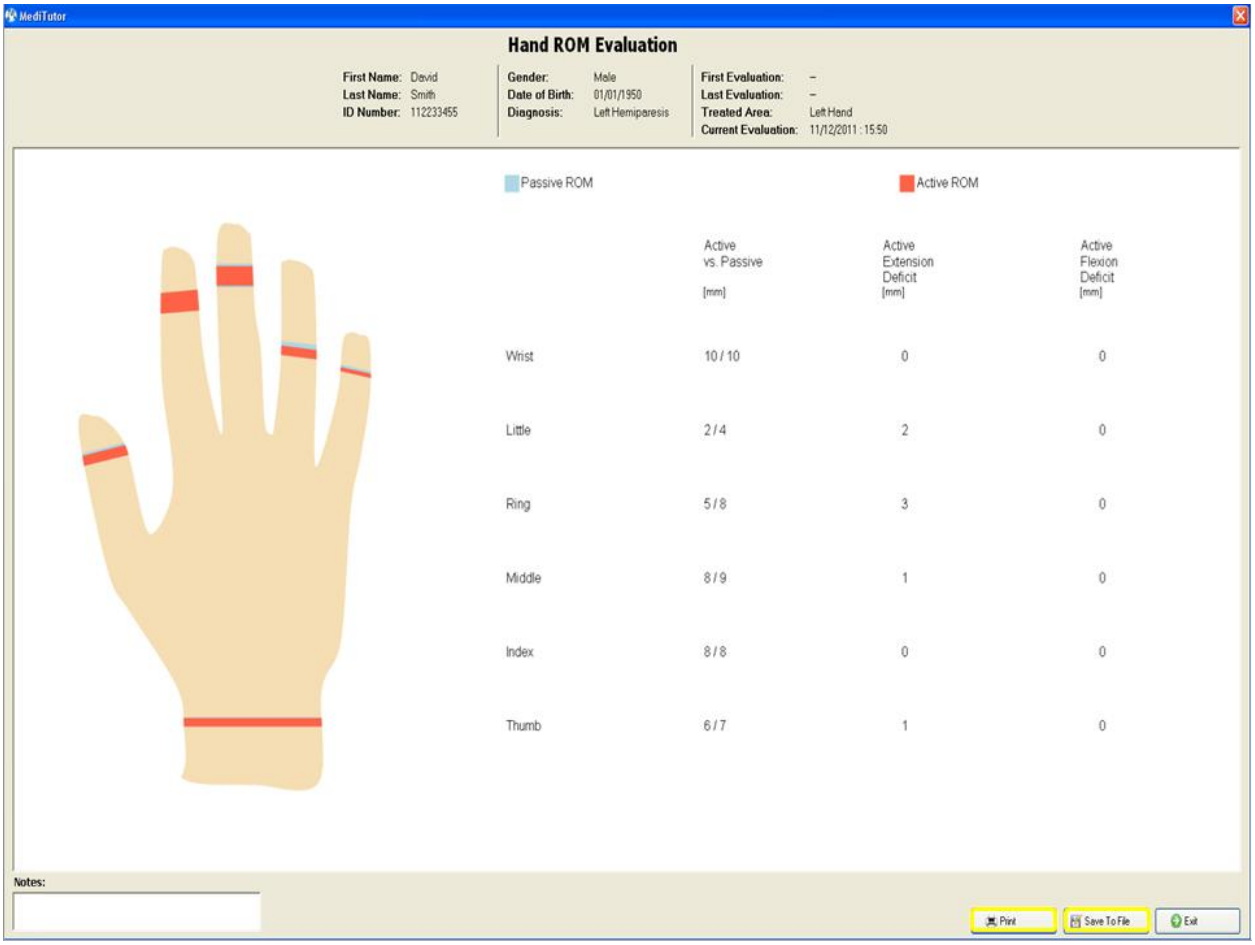
To open **single Hand ROM** report follows instructions:

1- Select a patient and save his **Hand ROM evaluation**
2- Go to **Reports**
3- Press double click on **Range of Motion** record
4- **Hand ROM** report will appear

5- You can **Print** it or **Save To File**

6- Press **Exit** to close report





Measures description

The first column in table shows the **Active Range of Motion against Passive Range of Motion**. The data is recorded in mm (millimeter).

The second column shows deficit of **Active Extension** in millimeter.

The far right column shows deficit of **Active Flexion** in millimeter as well.

Accumulated Report

The accumulated report shows all Hand ROM evaluation sessions. You can print it or save to file.

To open **accumulated Hand ROM** report follows instructions:

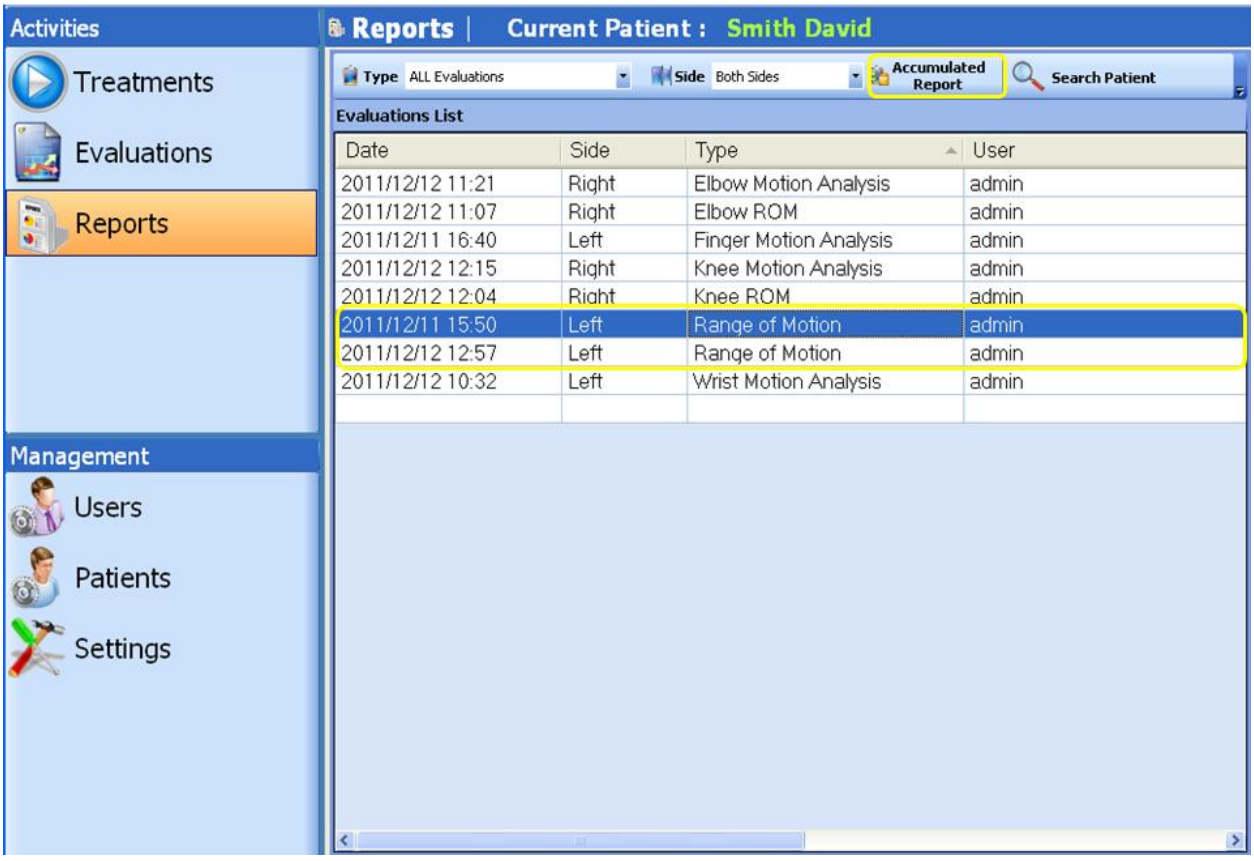
1- Select a patient and save at least two **Hand ROM evaluation** sessions
2- Go to **Reports**
3- Choose **Range of Motion** record

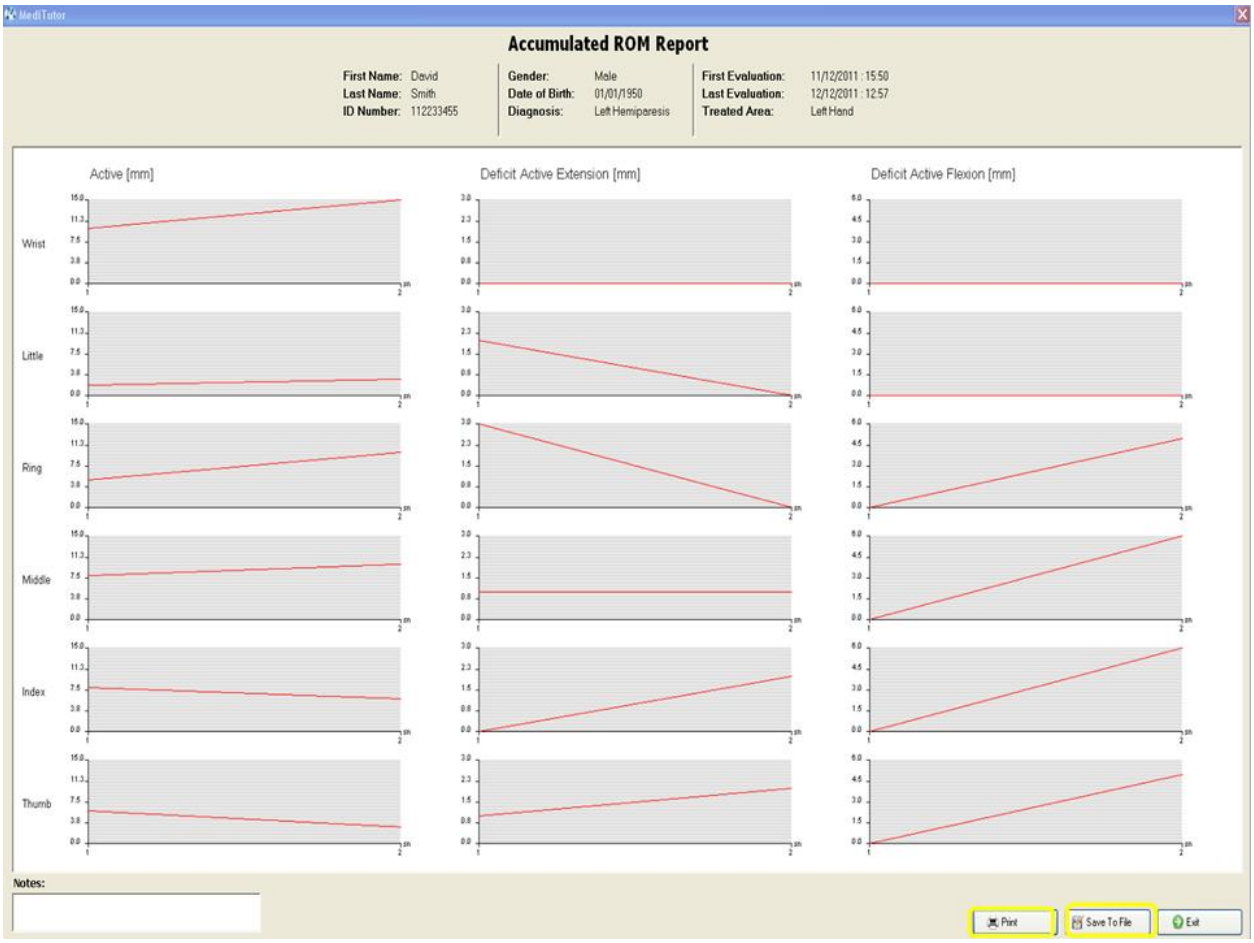
4- Press on **Accumulated Report**

5- **Accumulated Hand ROM** report will appear

6- You can **Print** it or **Save To File**

7- Press **Exit** to close report





Measures description

The first column in graphs displays **Active Range of Motion** of all sessions in mm (millimeter).

The second column in graphs displays deficit of **Active Extension** of all sessions in millimeter.

The far right column in graphs displays deficit of **Active Flexion** of all sessions in millimeter as well.

Finger Motion Analysis

Single Report

The single report shows a single First Motion Analysis evaluation. You can print it or save to file.

To open **single First Motion Analysis** report follows instructions:

1- Select a patient and save his **Finger Motion Analysis evaluation**

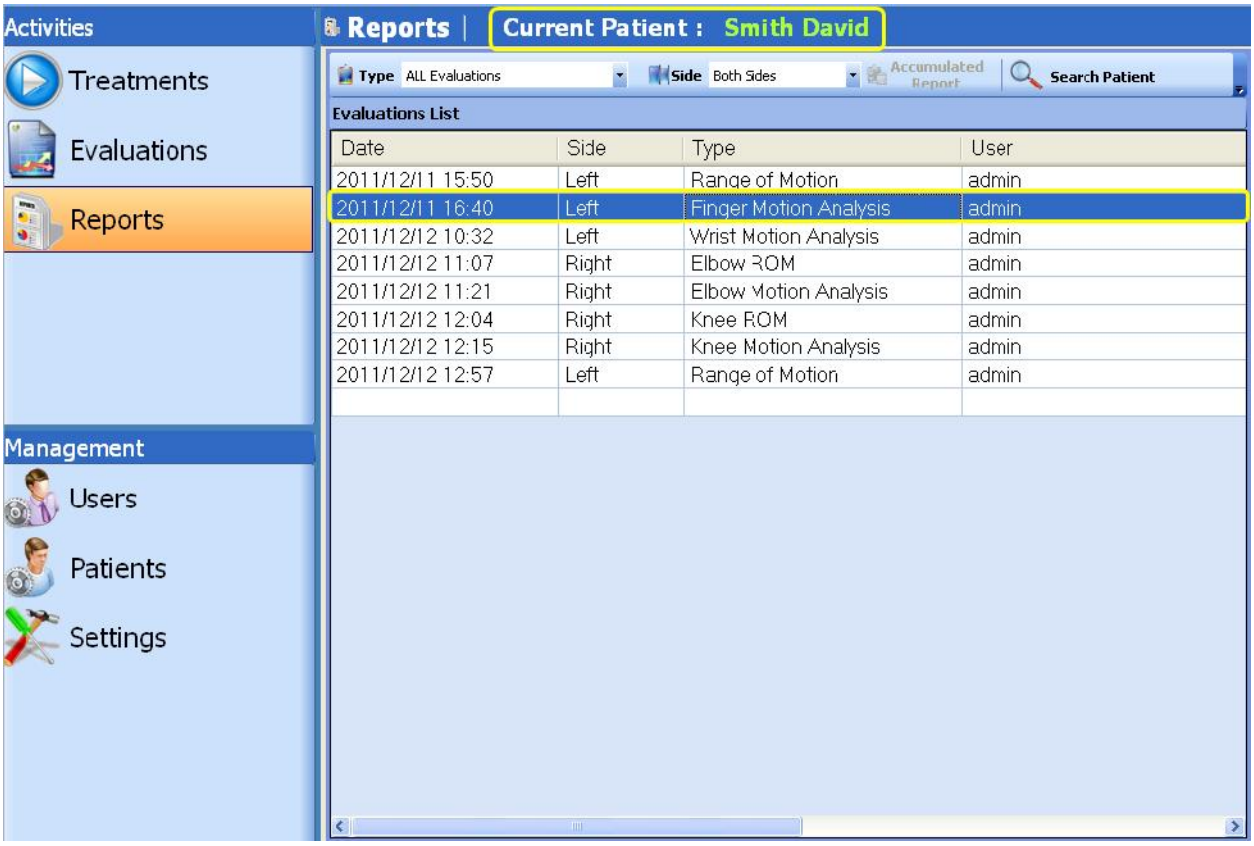
2- Go to **Reports**

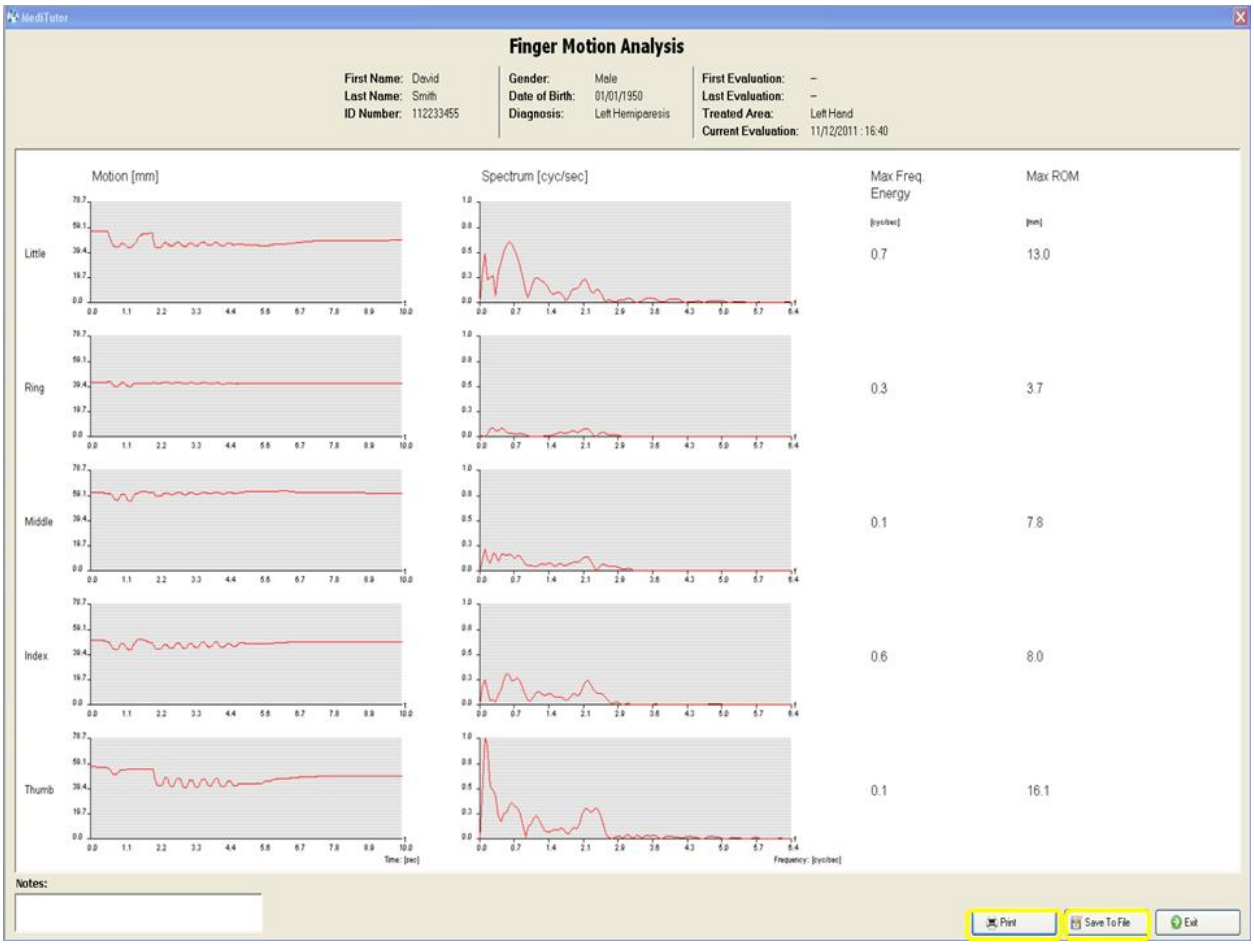
3- Press double click on **Finger Motion Analysis** record

4- **Finger Motion Analysis** report will appear

5- You can **Print** it or **Save To File**

6- Press **Exit** to close report





Measurements description

The report shows an analysis of the patients finger **Motion** in the left hand column during the test period. The **Spectrum** column is a graphical indication of the quality of cyclical movements. The graph is a representation of the **Max Frequency Energy** which is cyclical flexion and extension movements of the fingers achieved by the patient. The active ROM is also detailed in the **Max ROM** column.

Accumulated Report

The accumulated report shows all Finger MA evaluation sessions. You can print it or save to file.
To open **accumulated MA Finger** report follows instructions:

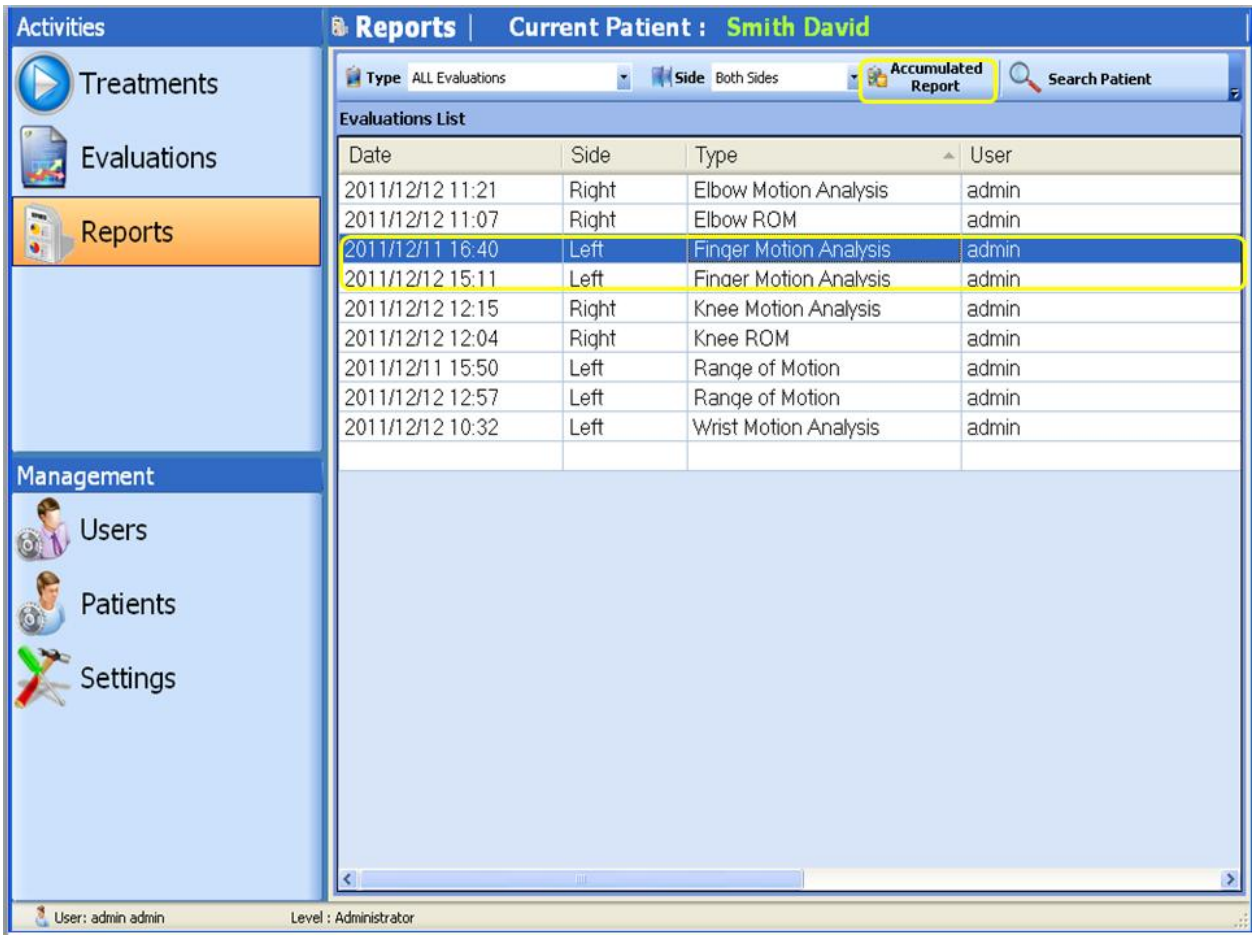
1- Select a patient and save at least two **Finger MA evaluation** sessions
2- Go to **Reports**
3- Choose **Finger Motion Analysis** record

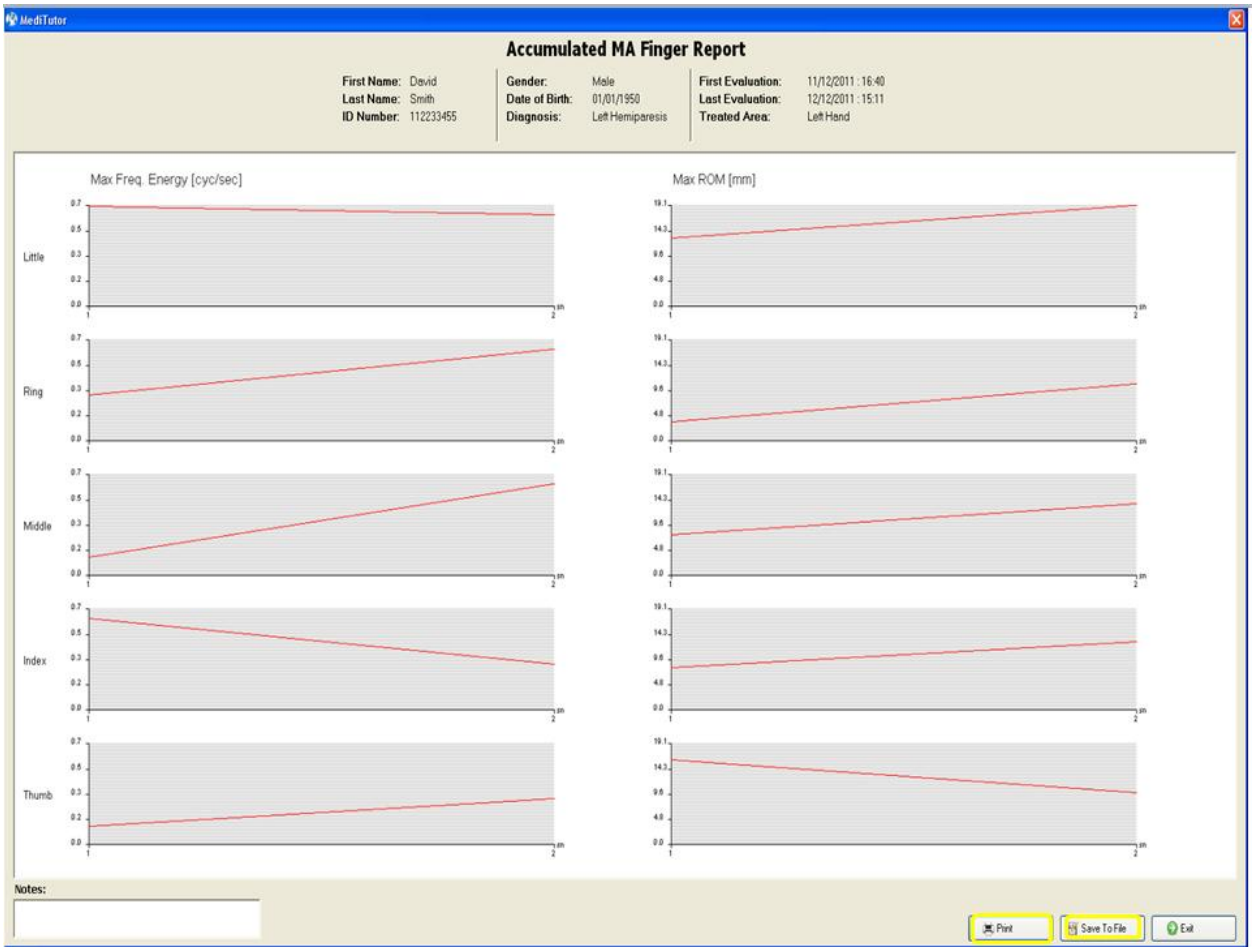
4- Press on **Accumulated Report**

5- **Accumulated MA Finger** report will appear

6- You can **Print** it or **Save To File**

7- Press **Exit** to close report





Measurements description

The first column shows graphs of the **Max Freq**. Energy which is a maximum cyclical velocity of the finger motion for each finger recorded at each evaluation session. The second column shows the **Max ROM** which is the maximal active ROM achieved at each evaluation session.

Wrist Motion Analysis

Single Report

The single report shows a single Wrist Motion Analysis evaluation. You can print it or save to file.

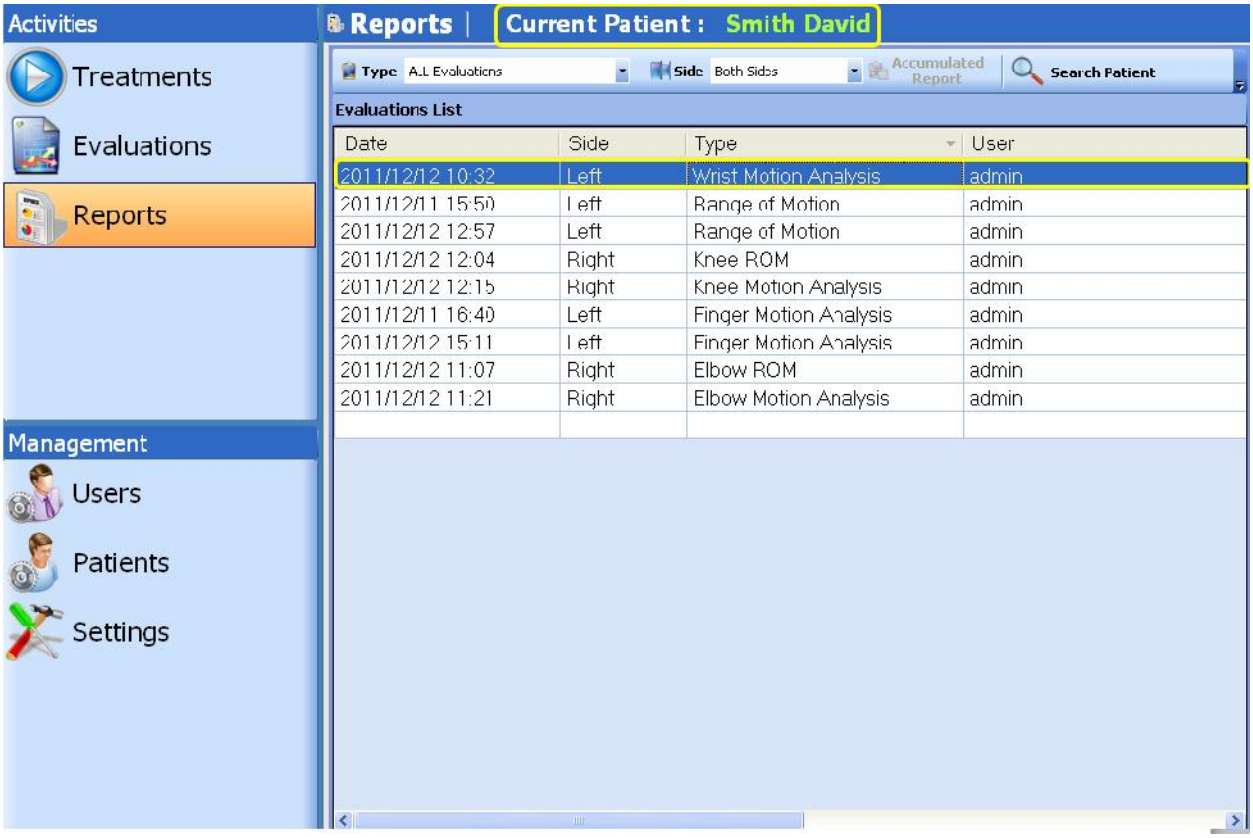
To open **single Wrist Motion Analysis** report follows instructions:

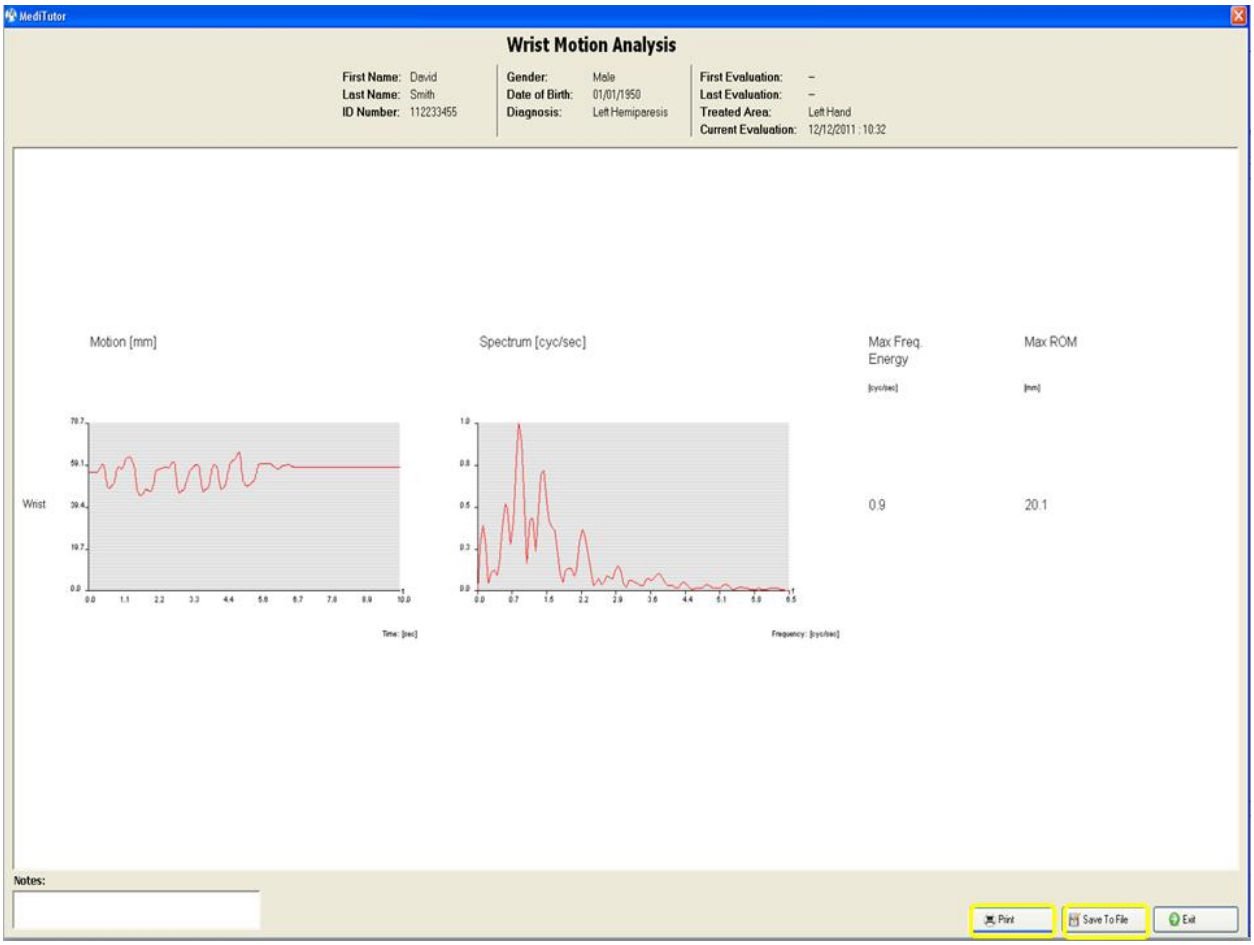
1- Select a patient and save his **Wrist Motion Analysis evaluation**
2- Go to **Reports**
3- Press double click on **Wrist Motion Analysis** record

4- **Wrist Motion Analysis** report will appear

5- You can **Print** it or **Save To File**

6- Press **Exit** to close report





Measurements description

The report shows an analysis of the patient's wrist **Motion** in the left hand column during the test period. The **Spectrum** column is a graphical indication of the quality of cyclical movements. The graph is a representation of the **Max Frequency Energy** which is cyclical flexion and extension movements of the wrist achieved by the patient. The active ROM is also detailed in the **Max ROM** column.

Accumulated Report

The accumulated report shows all Wrist MA evaluation sessions. You can print it or save to file.
To open **accumulated MA Wrist** report follows instructions:

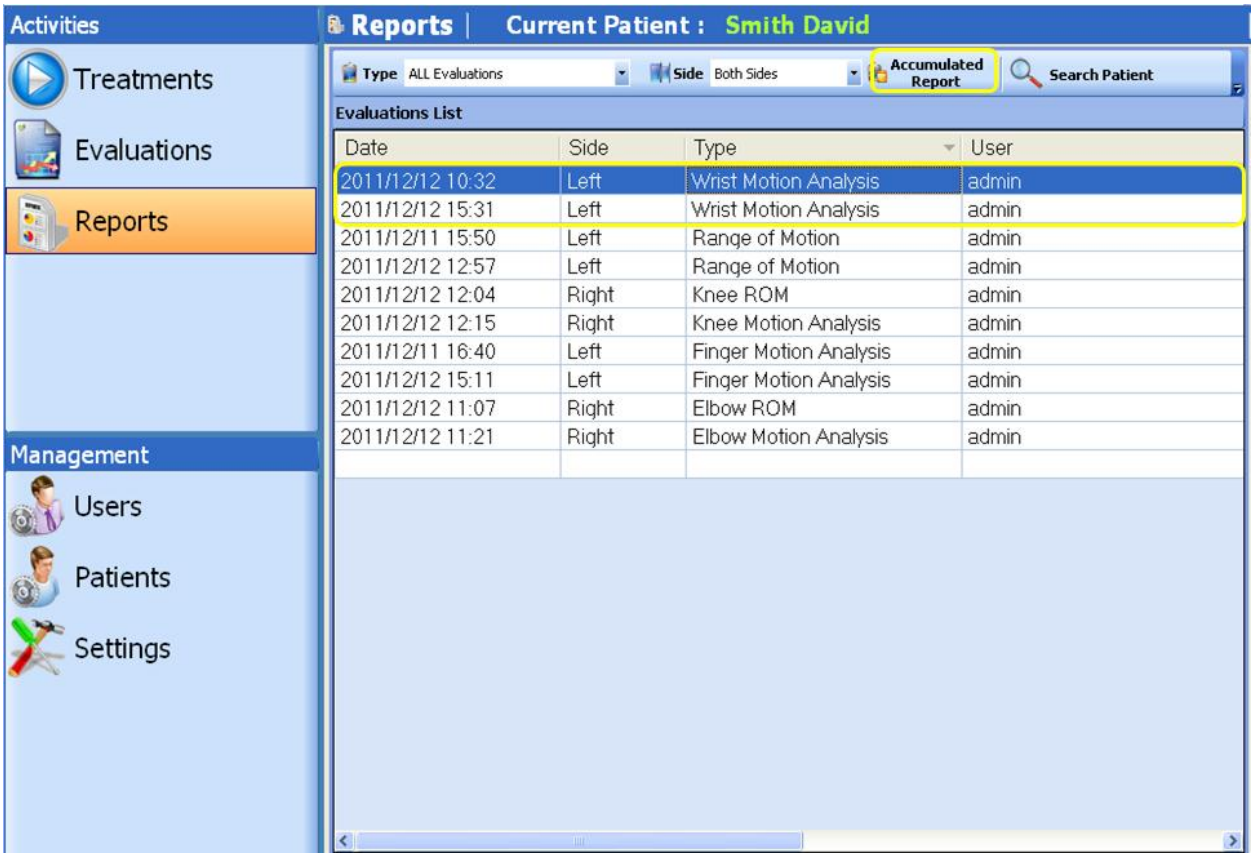
1- Select a patient and save at least two **Wrist MA evaluation** sessions
2- Go to **Reports**
3- Choose **Wrist Motion Analysis** record

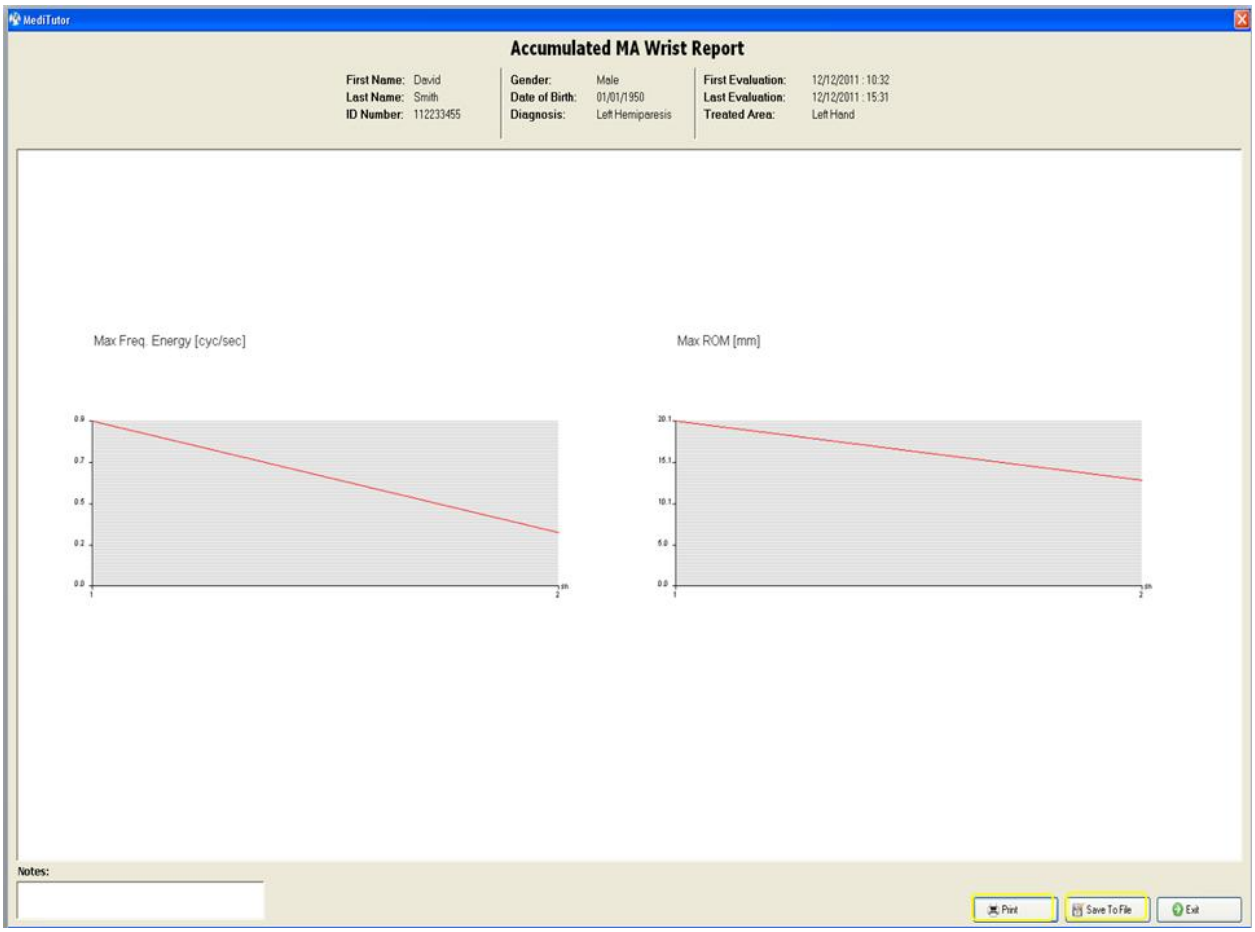
4- Press on **Accumulated Report**

5- **Accumulated MA Wrist** report will appear

6- You can **Print** it or **Save To File**

7- Press **Exit** to close report


Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Reports | Current Patient : Smith David
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Evaluations List
Date Side Type User
2011/12/12 10:32 Left Wrist Motion Analysis admin
2011/12/12 15:31 Left Wrist Motion Analysis admin
2011/12/11 15:50 Left Range of Motion admin
2011/12/12 12:57 Left Range of Motion admin
2011/12/12 12:04 Right Knee ROM admin
2011/12/12 12:15 Right Knee Motion Analysis admin
2011/12/11 16:40 Left Finger Motion Analysis admin
2011/12/12 15:11 Left Finger Motion Analysis admin
2011/12/12 11:07 Right Elbow ROM admin
2011/12/12 11:21 Right Elbow Motion Analysis admin



Measurements description

The first column shows graphs of the **Max Freq. Energy** which is a maximum cyclical velocity of the wrist motion at each evaluation session. The second column shows the
Max ROM which is the maximal active ROM achieved at each evaluation session.

Comparison Hand ROM

Not supported in this version

ArmTutor Reports

Elbow ROM

Single Report

The single report shows a single Elbow ROM evaluation. You can print it or save to file.

To open **single Elbow ROM** report follows instructions:

1- Select a patient and save his **Elbow ROM evaluation**

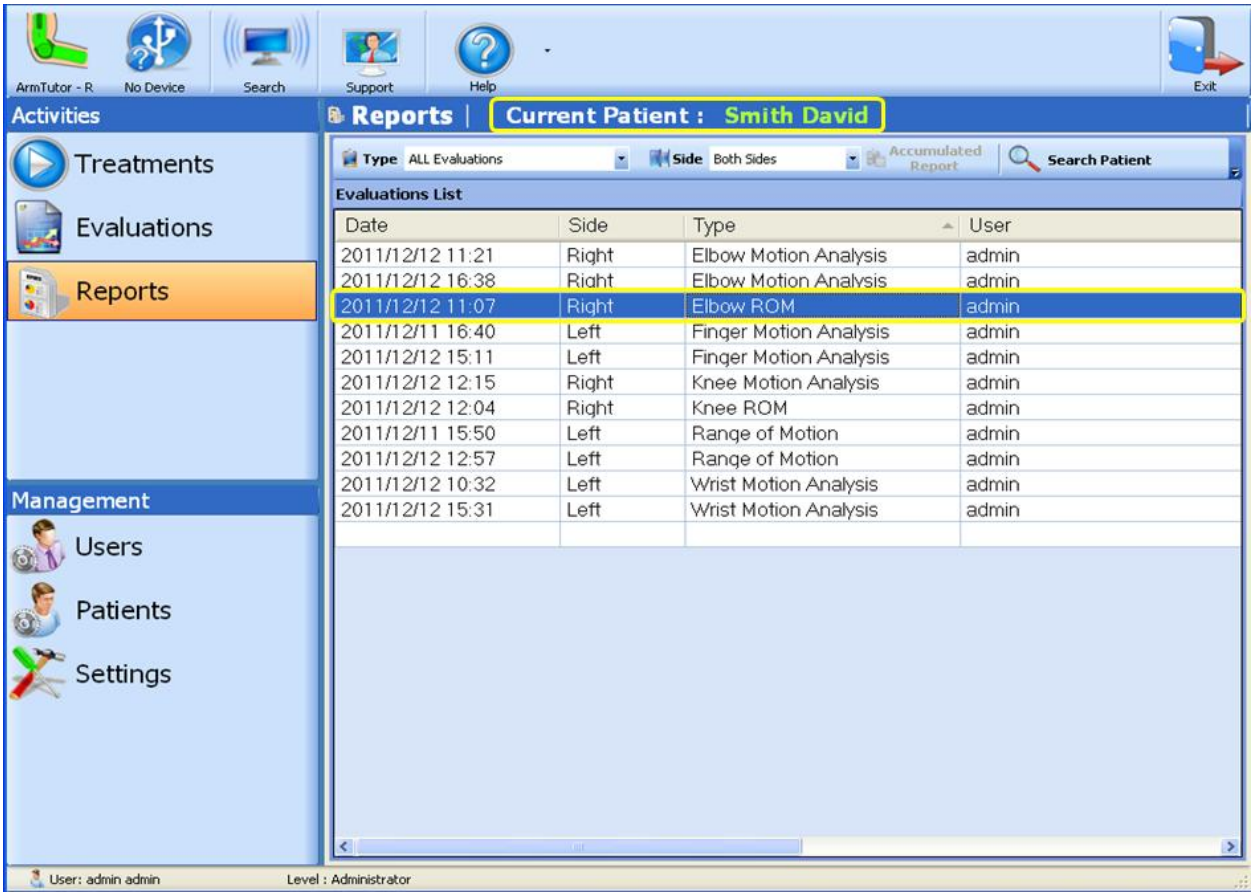
2- Go to **Reports**

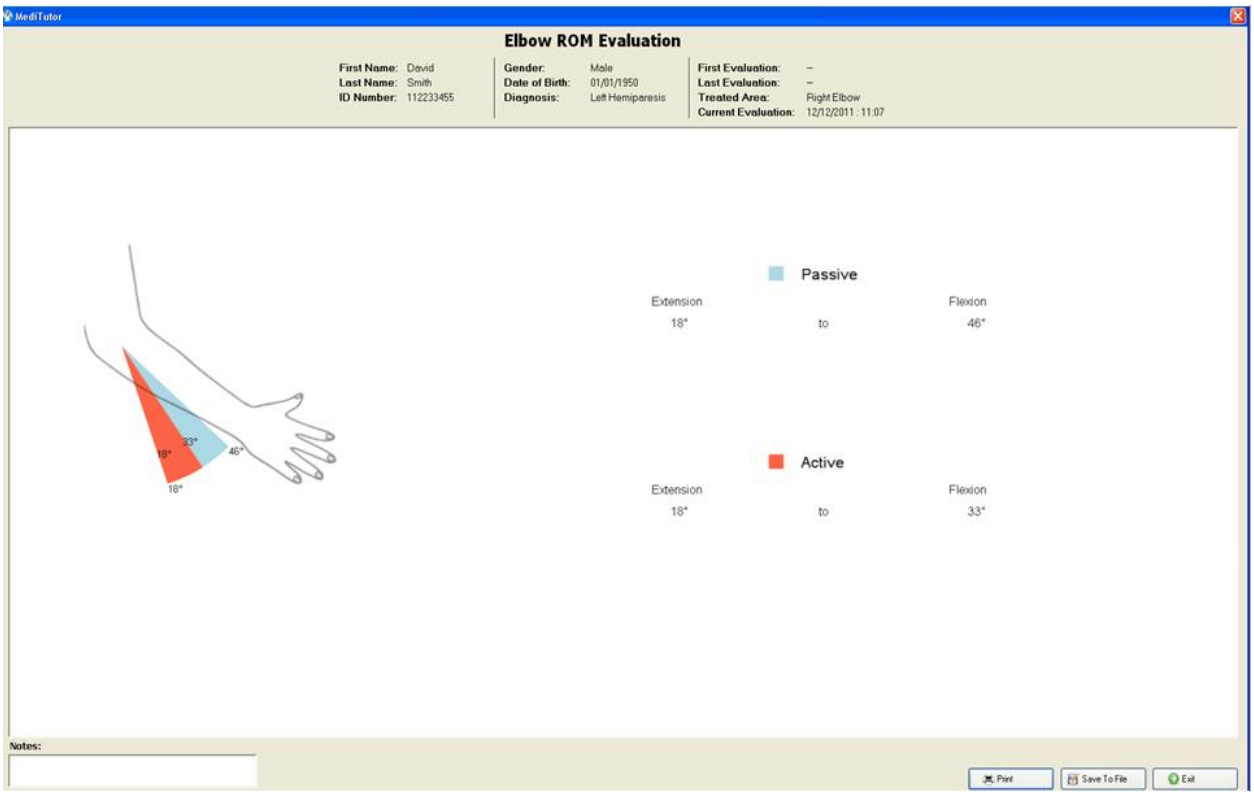
3- Press double click on **Elbow ROM** record

4- **Elbow ROM** report will appear

5- You can **Print** it or **Save To File**

6- Press **Exit** to close report





Measures description

The first row displays **Passive Extension and Flexion** of last evaluation in degrees.

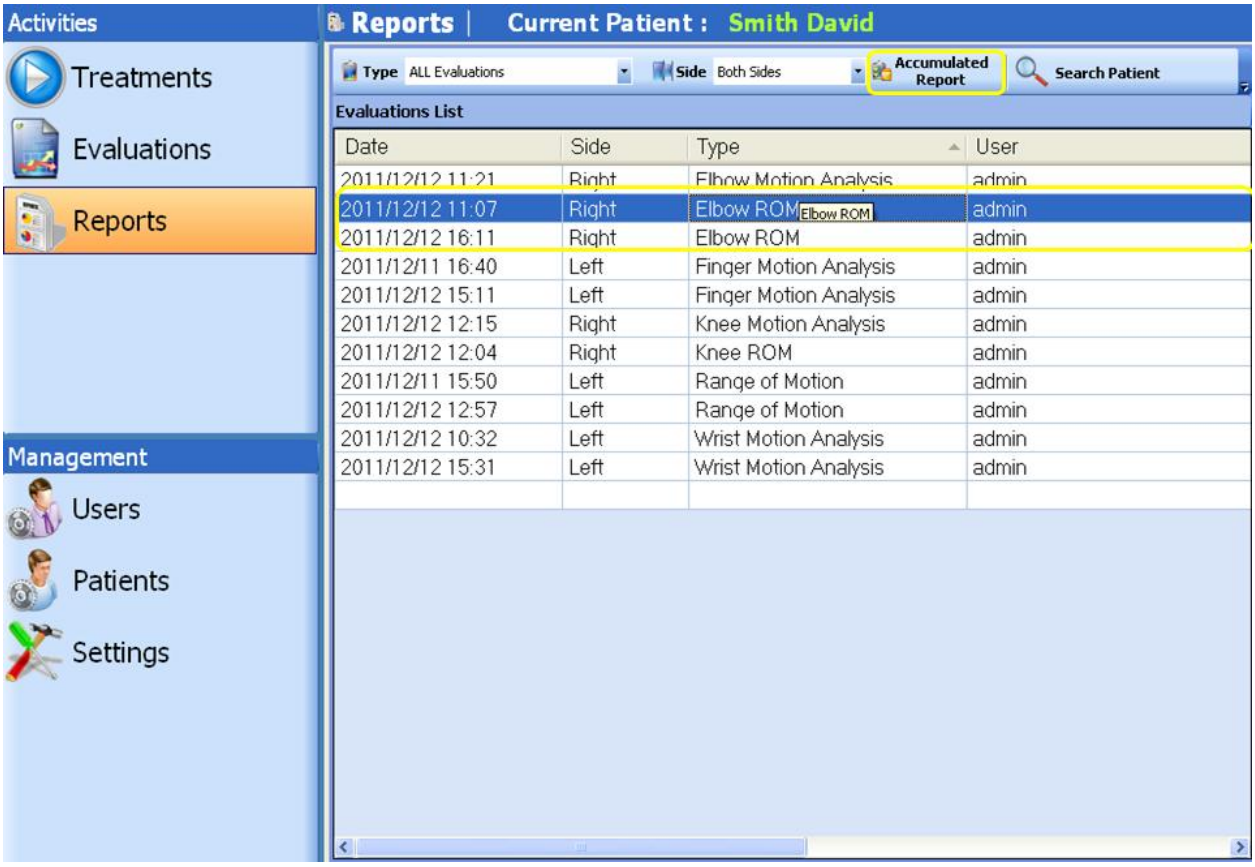
The second row displays **Active Extension and Flexion** of last evaluation in degrees.

Accumulated Report

The accumulated report shows all Elbow ROM evaluation sessions. You can print it or save to file.

To open **accumulated Elbow ROM** report follows instructions:

1- Select a patient and save at least two **Elbow ROM evaluation** sessions
2- Go to **Reports**
3- Choose **Elbow ROM** record
4- Press on **Accumulated Report**
5- **Accumulated Elbow ROM** report will appear
6- You can **Print** it or **Save To File**
7- Press **Exit** to close report


Activities
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Patients
Settings
Reports | Current Patient : Smith David
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Evaluations List
Date
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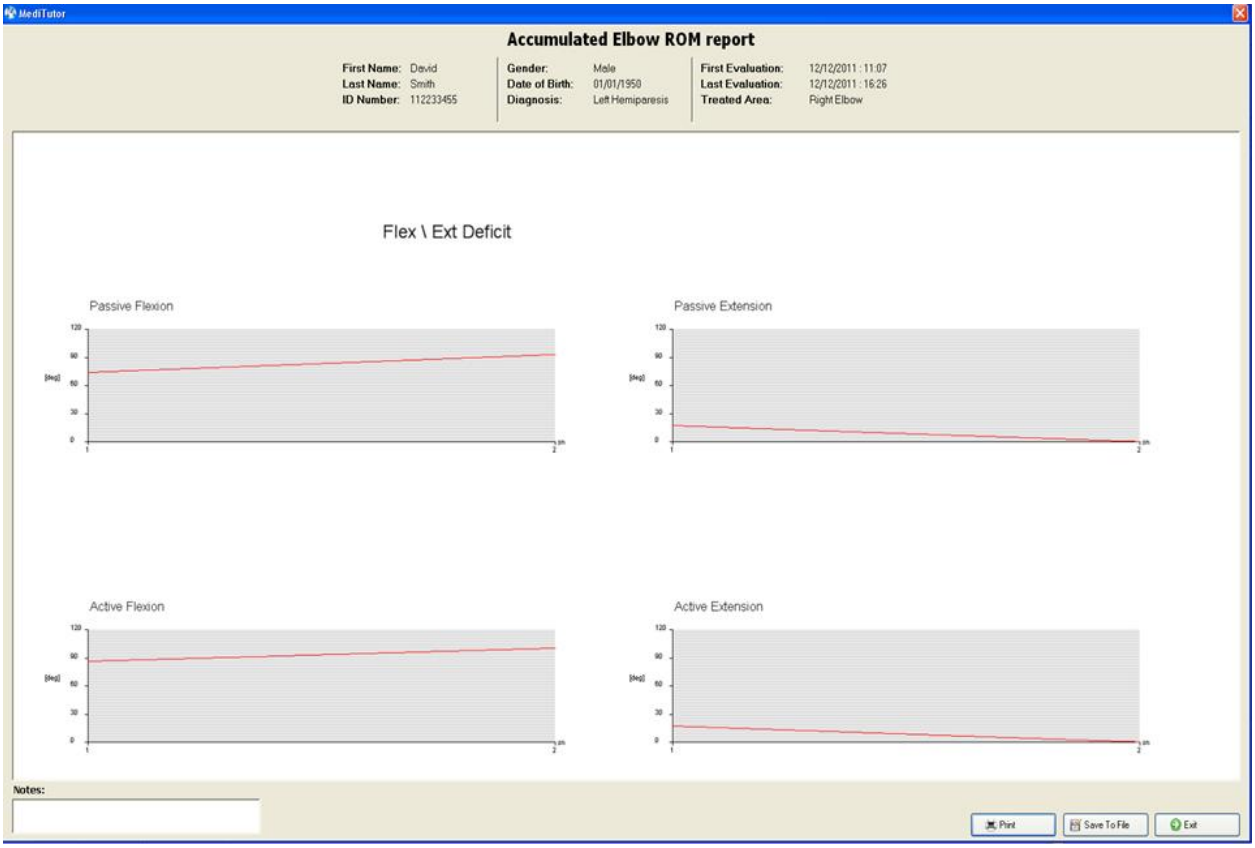
Type
User
2011/12/12 11:21 Right Elbow Motion Analysis admin
2011/12/12 11:07 Right Elbow ROM admin
Elbow ROM
2011/12/12 16:11 Right Elbow ROM admin
2011/12/11 16:40 Left Finger Motion Analysis admin
2011/12/12 15:11 Left Finger Motion Analysis admin
2011/12/12 12:15 Right Knee Motion Analysis admin
2011/12/12 12:04 Right Knee ROM admin
2011/12/11 15:50 Left Range of Motion admin
2011/12/12 12:57 Left Range of Motion admin
2011/12/12 10:32 Left Wrist Motion Analysis admin
2011/12/12 15:31 Left Wrist Motion Analysis admin



Measurements description

The first row in graphs displays **Passive Flexion and Extension** of all sessions in degrees.

The second row in graphs displays **Active Flexion and Extension** of all sessions in degrees.

Elbow Motion Analysis

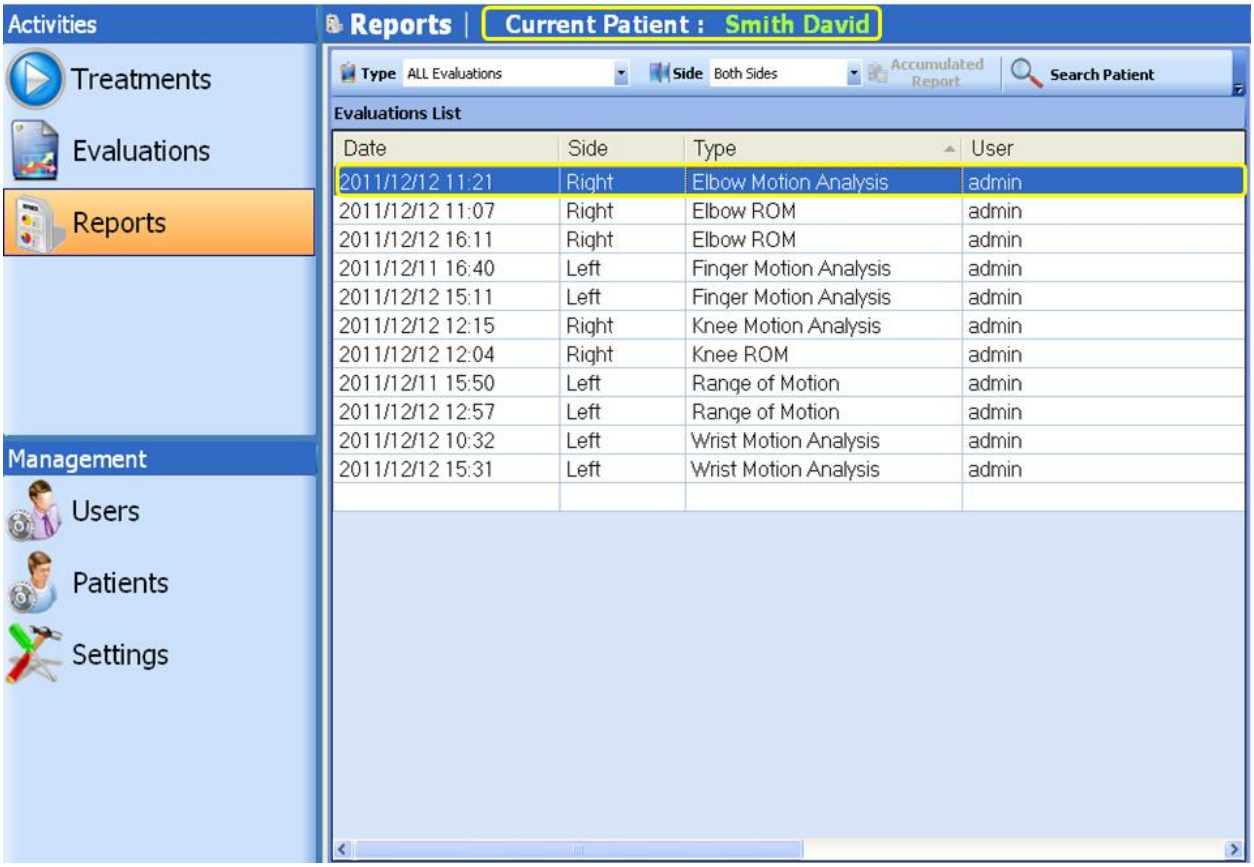
Single Report

The single report shows a single Elbow MA evaluation. You can print it or save to file.

To open **single Elbow MA** report follows instructions:

1- Select a patient and save his **Elbow MA evaluation**
2- Go to **Reports**
3- Press double click on **Elbow MA** record
4- **Elbow MA** report will appear
5- You can **Print** it or **Save To File**

6- Press **Exit** to close report


Activities
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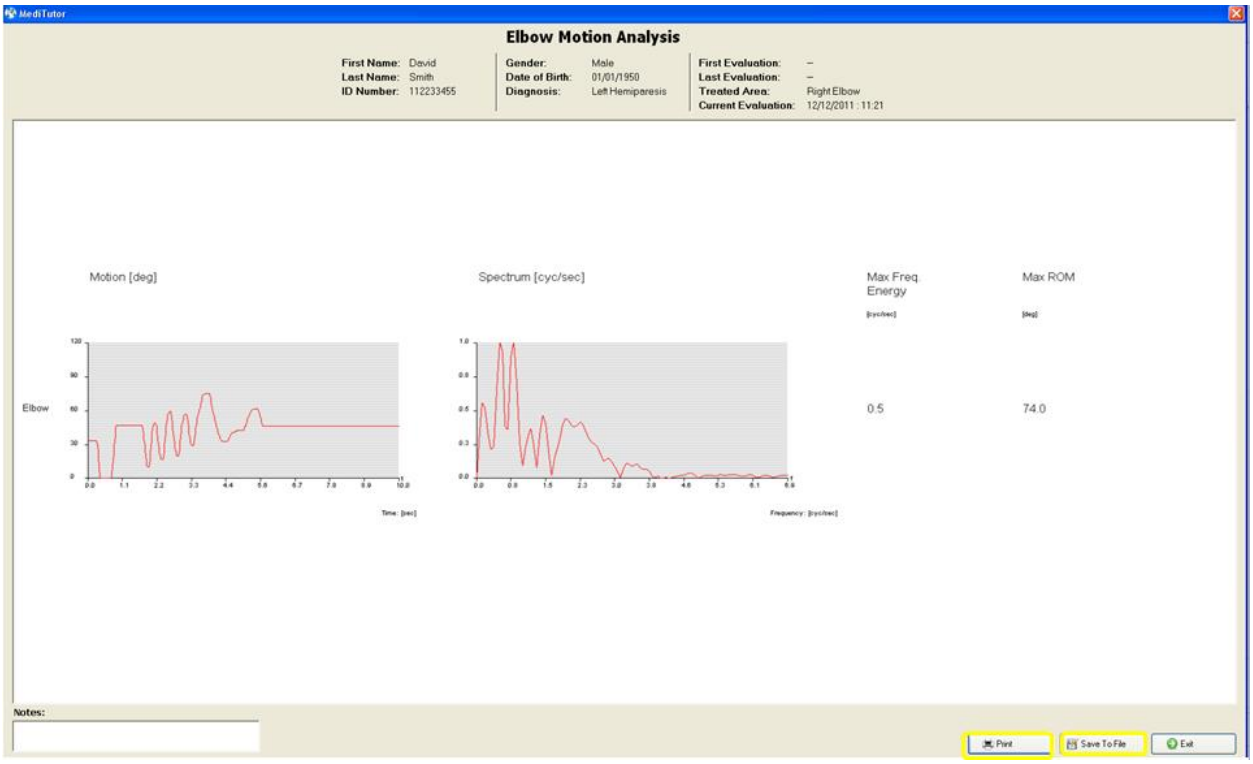
Reports | Current Patient : Smith David
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Evaluations List
Date Side Type User
2011/12/12 11:21 Right Elbow Motion Analysis admin
2011/12/12 11:07 Right Elbow ROM admin
2011/12/12 16:11 Right Elbow ROM admin
2011/12/11 16:40 Left Finger Motion Analysis admin
2011/12/12 15:11 Left Finger Motion Analysis admin
2011/12/12 12:15 Right Knee Motion Analysis admin
2011/12/12 12:04 Right Knee ROM admin
2011/12/11 15:50 Left Range of Motion admin
2011/12/12 12:57 Left Range of Motion admin
2011/12/12 10:32 Left Wrist Motion Analysis admin
2011/12/12 15:31 Left Wrist Motion Analysis admin



Measures description

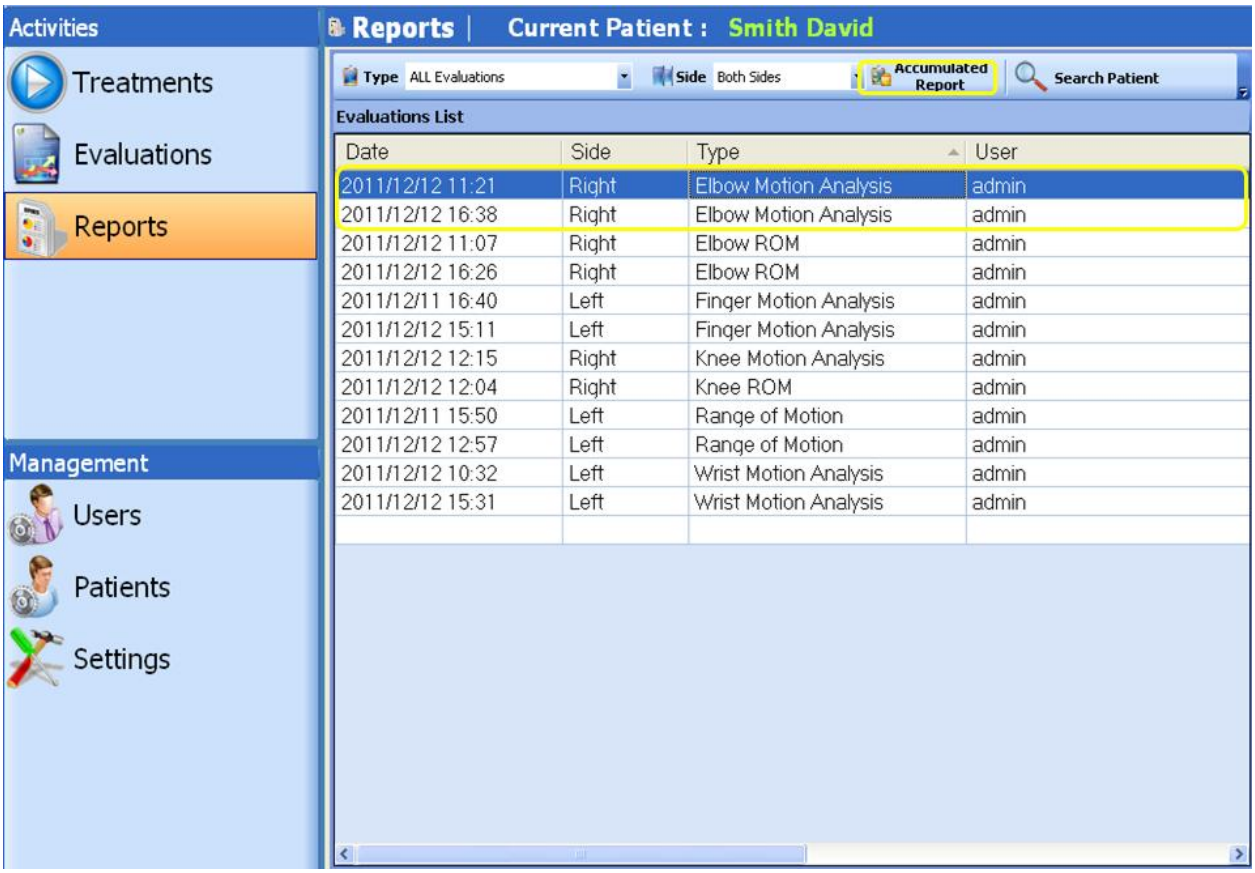
The report shows an analysis of the patients elbow **Motion** in the left hand column during the test period. The **Spectrum** column is a graphical indication of the quality of cyclical movements. The graph is a representation of the **Max Frequency Energy** which is cyclical flexion and extension movements of the fingers achieved by the patient. The active ROM is also detailed in the **Max ROM** column.

Accumulated Report

The accumulated report shows all Elbow ROM evaluation sessions. You can print it or save to file. To open **accumulated Elbow MA** report follows instructions:

1- Select a patient and save at least two **Elbow MA evaluation** sessions
2- Go to **Reports**
3- Choose **Elbow MA** record
4- Press on **Accumulated Report**
5- **Accumulated MA Elbow** report will appear
6- You can **Print** it or **Save To File**

7- Press **Exit** to close report


Activities
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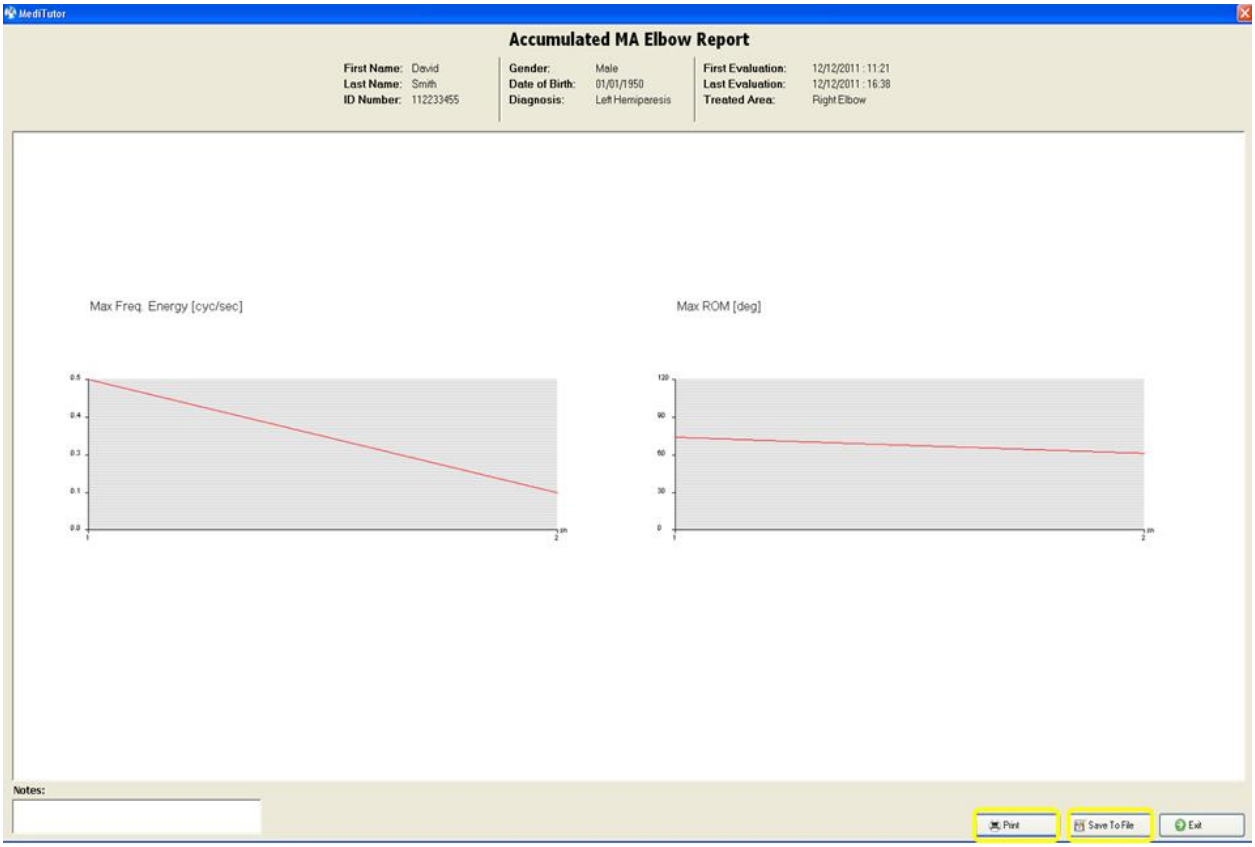
Reports | Current Patient : Smith David
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Evaluations List
Date Side Type User
2011/12/12 11:21 Right Elbow Motion Analysis admin
2011/12/12 16:38 Right Elbow Motion Analysis admin
2011/12/12 11:07 Right Elbow ROM admin
2011/12/12 16:26 Right Elbow ROM admin
2011/12/11 16:40 Left Finger Motion Analysis admin
2011/12/12 15:11 Left Finger Motion Analysis admin
2011/12/12 12:15 Right Knee Motion Analysis admin
2011/12/12 12:04 Right Knee ROM admin
2011/12/11 15:50 Left Range of Motion admin
2011/12/12 12:57 Left Range of Motion admin
2011/12/12 10:32 Left Wrist Motion Analysis admin
2011/12/12 15:31 Left Wrist Motion Analysis admin



Measurements description

The first column shows graphs of the **Max Freq. Energy** which is a maximum cyclical velocity of the wrist motion at each evaluation session. The second column shows the **Max ROM** which is the maximal active ROM achieved at each evaluation session.

LegTutor Reports

Knee ROM

Single Report

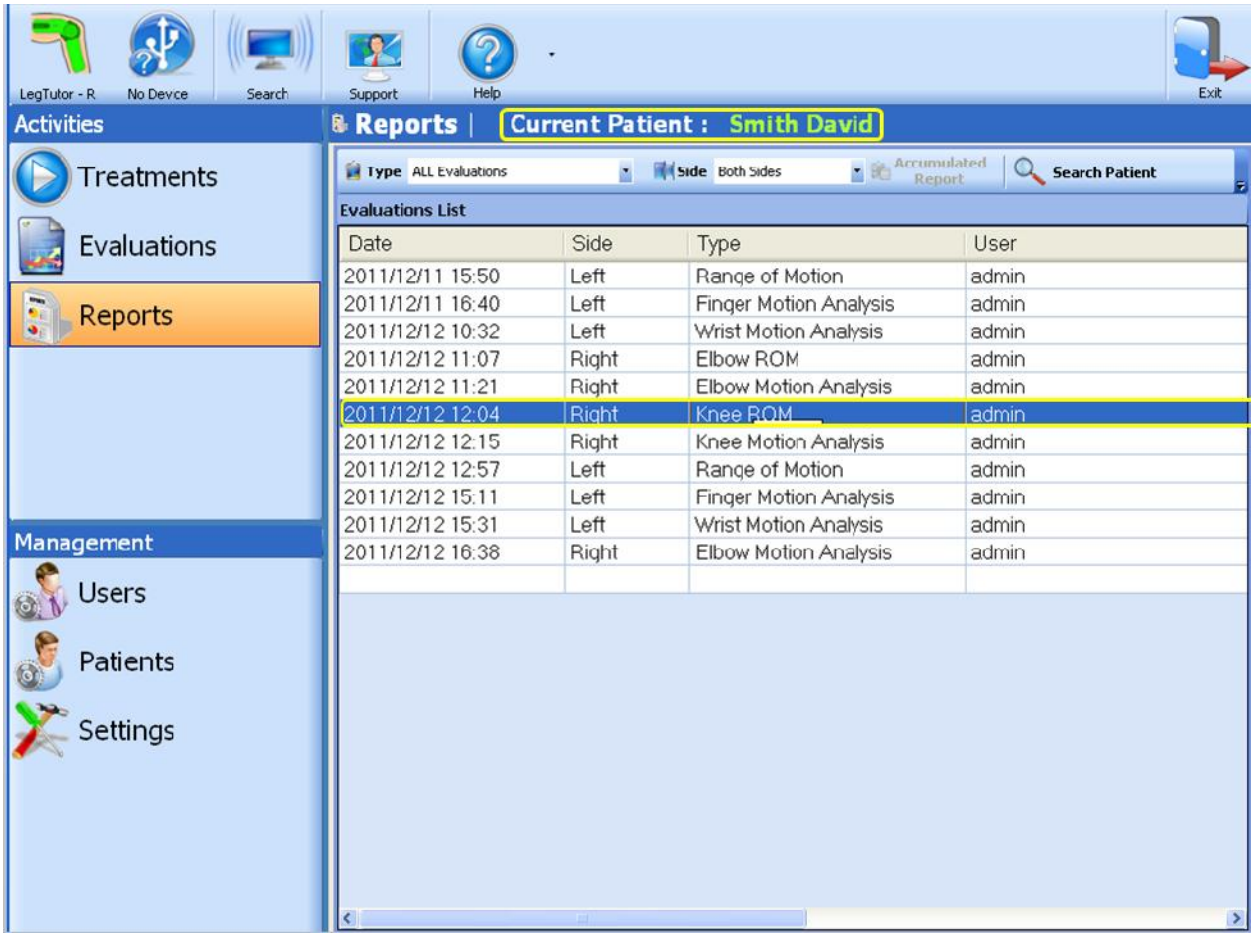
The single report shows a single Knee ROM evaluation. You can print it or save to file.
To open **single Knee ROM** report follows instructions:

1- Select a patient and save his **Knee ROM evaluation**
2- Go to **Reports**
3- Press double click on **Knee ROM** record

4- **Knee ROM** report will appear

5- You can **Print** it or **Save To File**

6- Press **Exit** to close report



Measures description

The first row displays **Passive Extension and Flexion** of last evaluation in degrees.

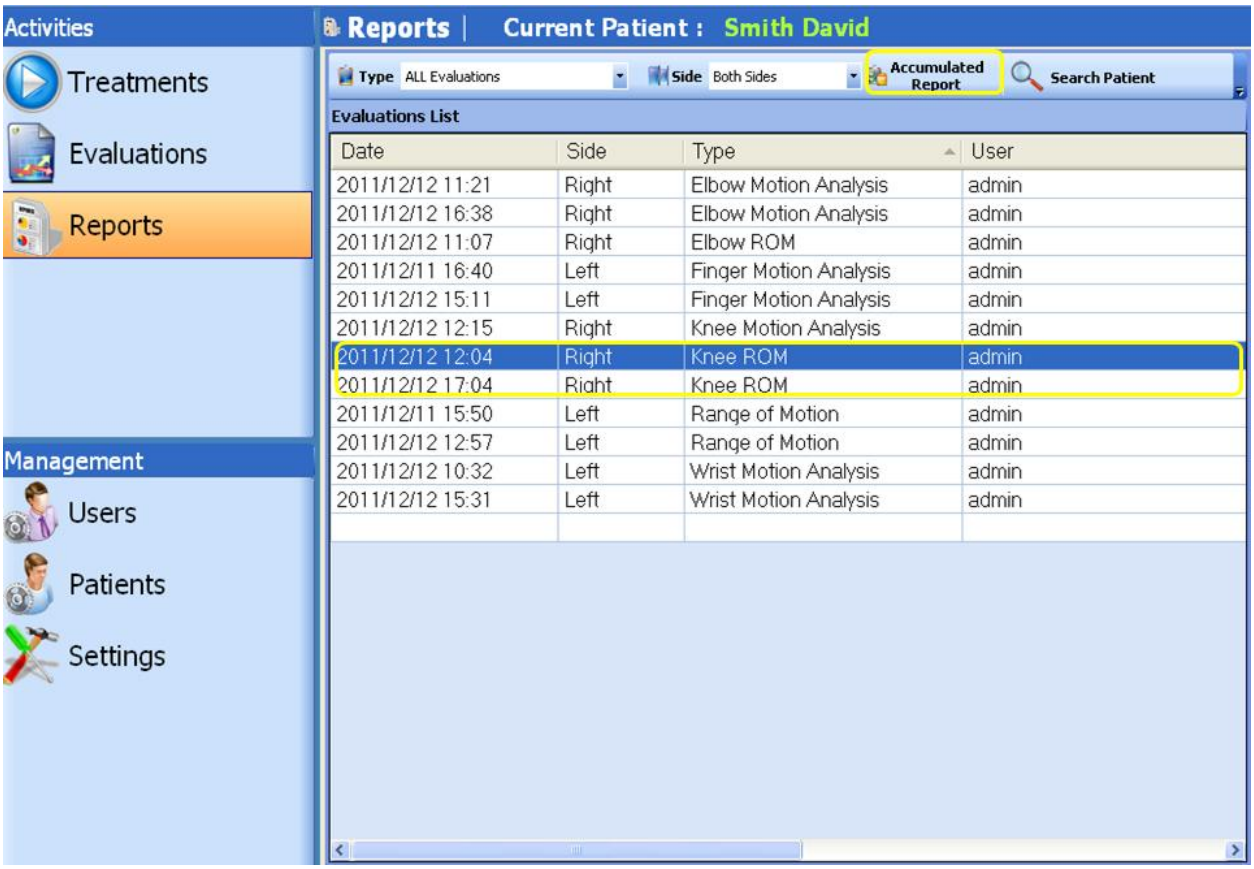
The second row displays **Active Extension and Flexion** of last evaluation in degrees.

Accumulated Report

The accumulated report shows all Knee ROM evaluation sessions. You can print it or save to file.

To open **accumulated Knee ROM** report follows instructions:

1- Select a patient and save at least two **Knee ROM evaluation** sessions
2- Go to **Reports**
3- Choose **Knee ROM** record
4- Press on **Accumulated Report**
5- **Accumulated Knee ROM** report will appear
6- You can **Print** it or **Save To File**
7- Press **Exit** to close report


Activities
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Reports
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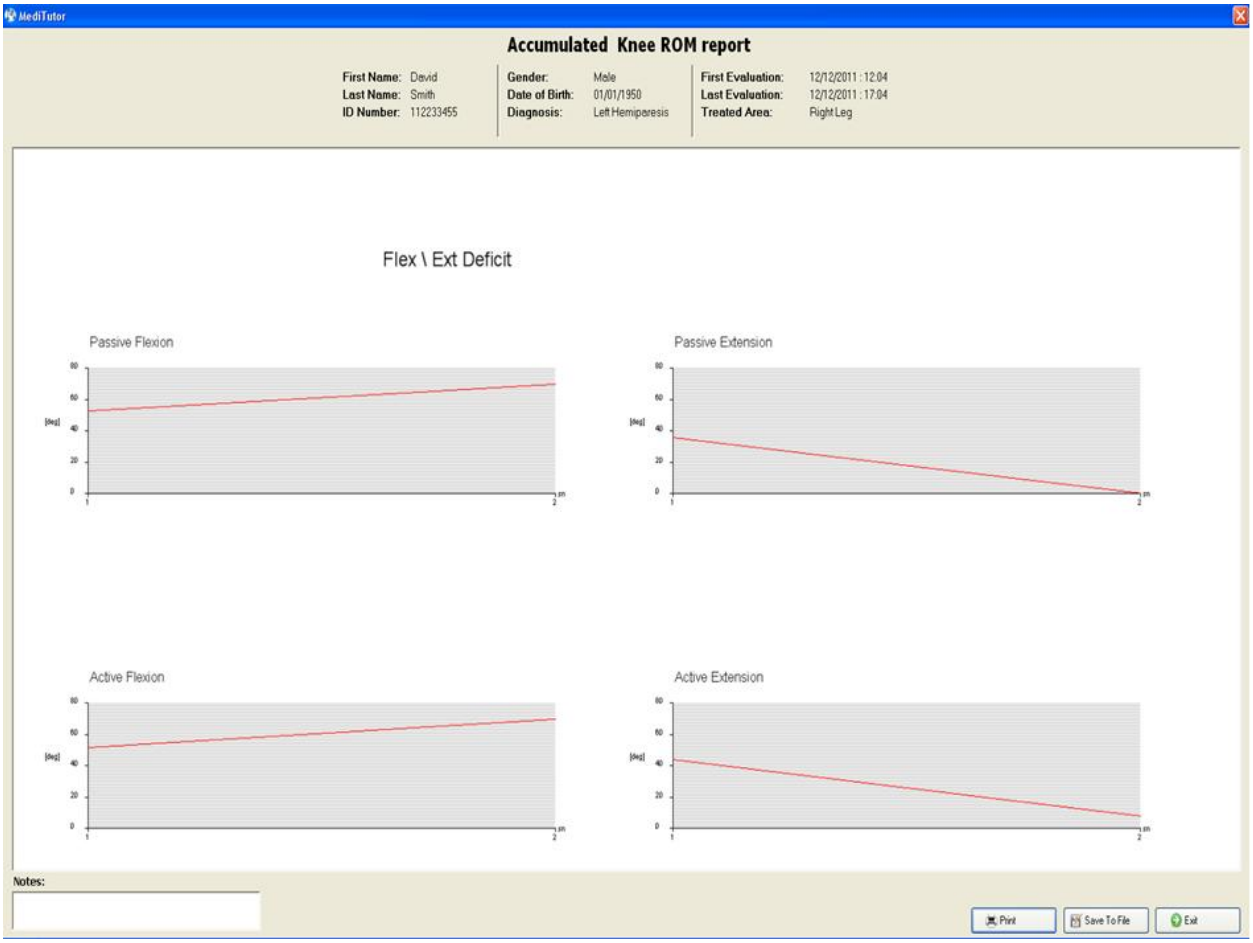
Patients
Settings
Reports | Current Patient : Smith David
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Evaluations List
Date
Side
Type
User
2011/12/12 11:21 Right Elbow Motion Analysis admin
2011/12/12 16:38 Right Elbow Motion Analysis admin
2011/12/12 11:07 Right Elbow ROM admin
2011/12/11 16:40 Left Finger Motion Analysis admin
2011/12/12 15:11 Left Finger Motion Analysis admin
2011/12/12 12:15 Right Knee Motion Analysis admin
2011/12/12 12:04 Right Knee ROM admin
2011/12/12 17:04 Right Knee ROM admin
2011/12/11 15:50 Left Range of Motion admin
2011/12/12 12:57 Left Range of Motion admin
2011/12/12 10:32 Left Wrist Motion Analysis admin
2011/12/12 15:31 Left Wrist Motion Analysis admin



Measurements description

The first row in graphs displays **Passive Flexion and Extension** of all sessions in degrees.

The second row in graphs displays **Active Flexion and Extension** of all sessions in degrees.

Knee Motion Analysis

Single Report

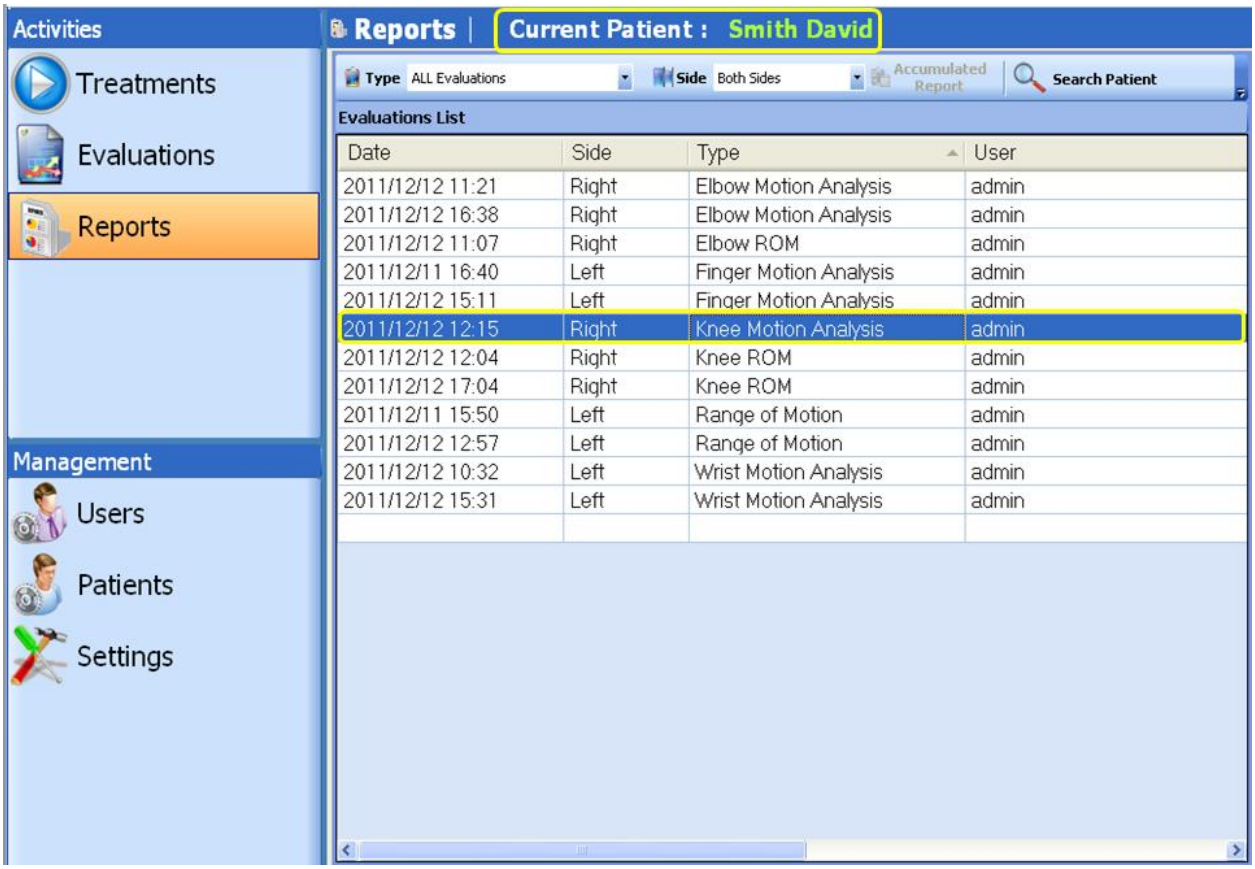
The single report shows a single Knee MA evaluation. You can print it or save to file.

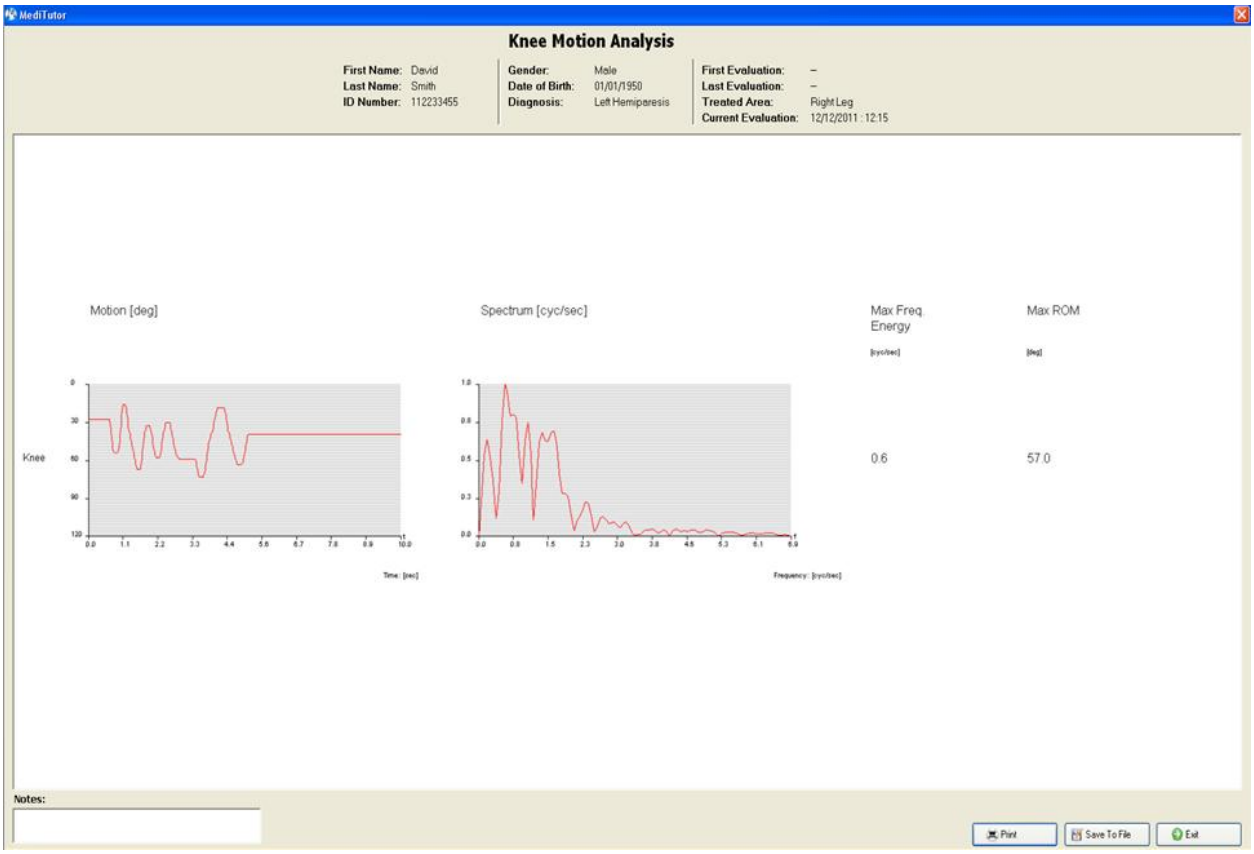
To open **single Knee MA** report follows instructions:

1- Select a patient and save his **Knee MA evaluation**
2- Go to **Reports**
3- Press double click on **Knee MA** record
4- **Knee MA** report will appear

5- You can **Print** it or **Save To File**

6- Press **Exit** to close report





Measures description

The report shows an analysis of the patients elbow **Motion** in the left hand column during the test period. The **Spectrum** column is a graphical indication of the quality of cyclical movements. The graph is a representation of the **Max Frequency Energy** which is cyclical flexion and extension movements of the fingers achieved by the patient. The active ROM is also detailed in the **Max ROM** column.

Accumulated Report

The accumulated report shows all Knee MA evaluation sessions. You can print it or save to file.
To open **accumulated Knee MA** report follows instructions:

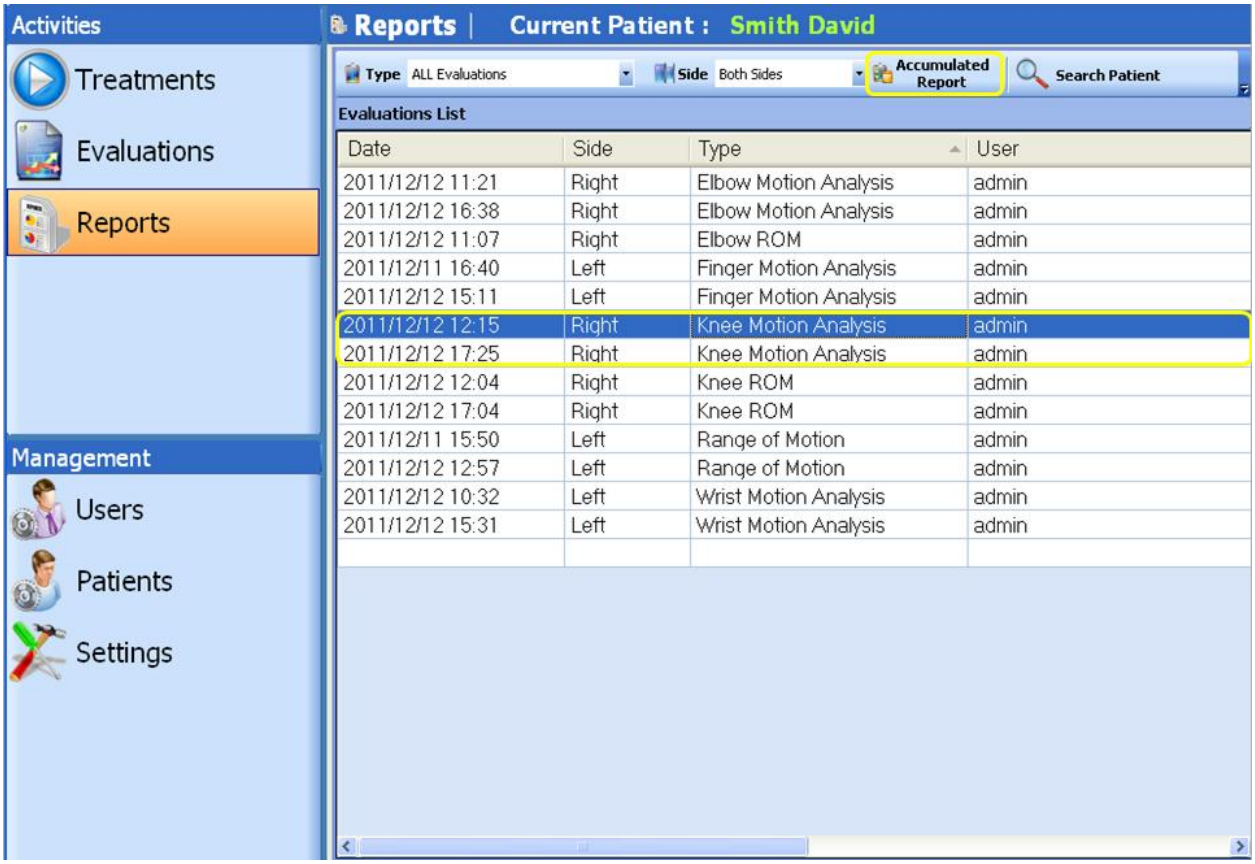
1- Select a patient and save at least two **Knee MA evaluation** sessions
2- Go to **Reports**
3- Choose **Knee MA** record

4- Press on **Accumulated Report**

5- **Accumulated MA Knee** report will appear

6- You can **Print** it or **Save To File**

7- Press **Exit** to close report


Activities
Treatments
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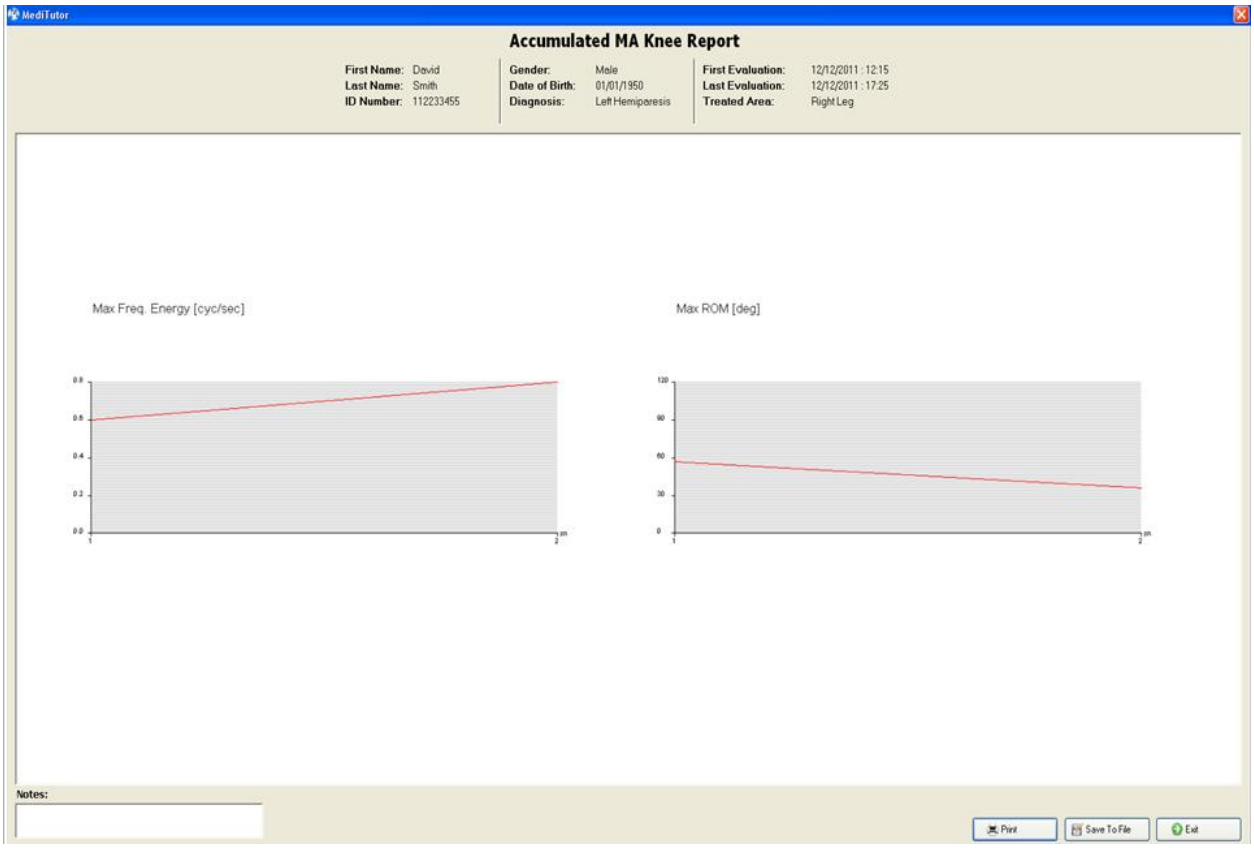
Management
Users
Patients
Settings
Reports | Current Patient : Smith David
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Evaluations List
Date Side Type User
2011/12/12 11:21 Right Elbow Motion Analysis admin
2011/12/12 16:38 Right Elbow Motion Analysis admin
2011/12/12 11:07 Right Elbow ROM admin
2011/12/11 16:40 Left Finger Motion Analysis admin
2011/12/12 15:11 Left Finger Motion Analysis admin
2011/12/12 12:15 Right Knee Motion Analysis admin
2011/12/12 17:25 Right Knee Motion Analysis admin
2011/12/12 12:04 Right Knee ROM admin
2011/12/12 17:04 Right Knee ROM admin
2011/12/11 15:50 Left Range of Motion admin
2011/12/12 12:57 Left Range of Motion admin
2011/12/12 10:32 Left Wrist Motion Analysis admin
2011/12/12 15:31 Left Wrist Motion Analysis admin



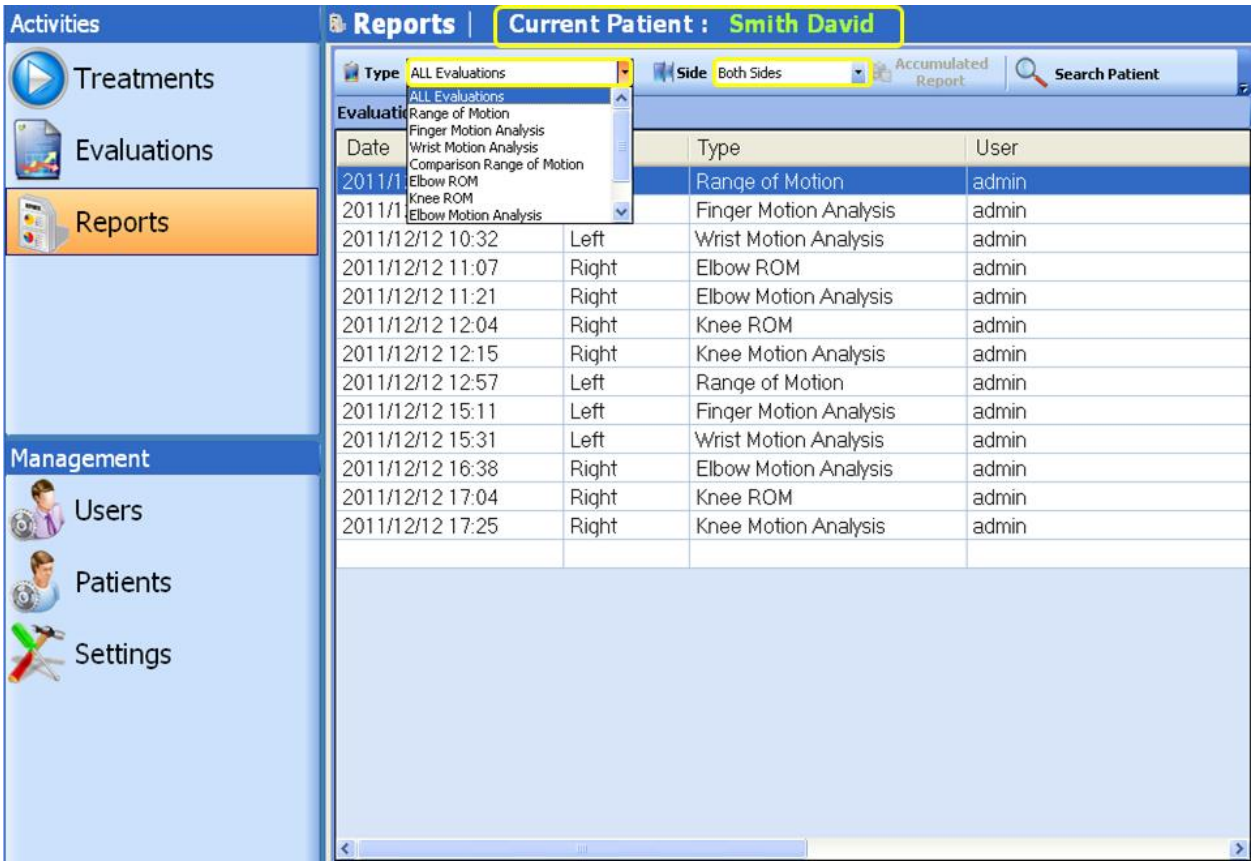
Measurements description

The first column shows graphs of the **Max Freq. Energy** which is a maximum cyclical velocity of the wrist motion at each evaluation session. The second column shows the **Max ROM** which is the maximal active ROM achieved at each evaluation session.

Filter Report

The filter report allows finding quickly any type of report.
To filter a report follows instructions:

1- Select a **patient**
2- Go to **Reports**
3- Select **Type** of report from the list
4- Select **Side** from the list
5- Results will appear in **Evaluations List**

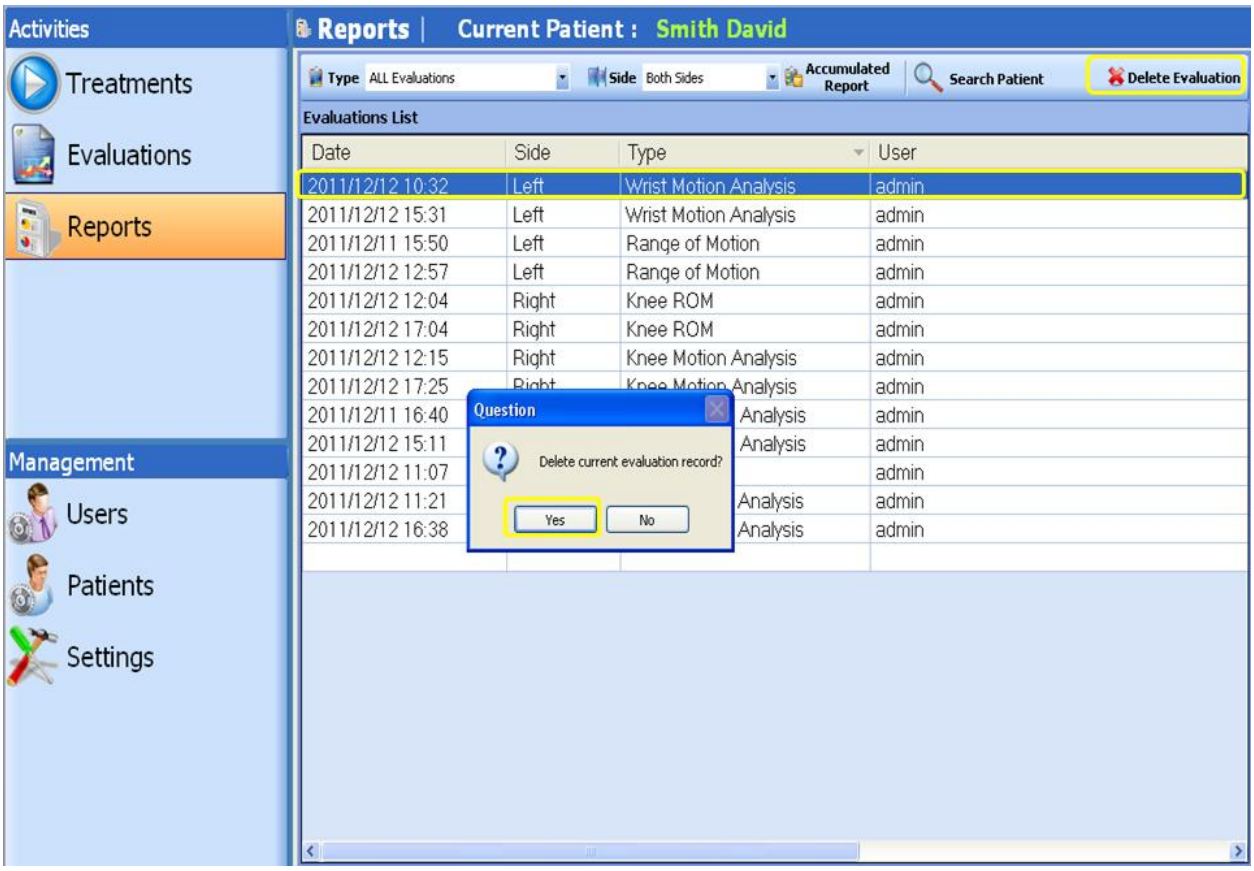


Delete Report

The system allows deleting any type of report.

To delete report follows instructions:

1- Select a **patient**
2- Go to **Reports**
3- Select **Type** of report from the list
4- Select from Evaluations List one record
5- Press **Delete**
6- A **Question** message will appear.
7- Press **Yes**

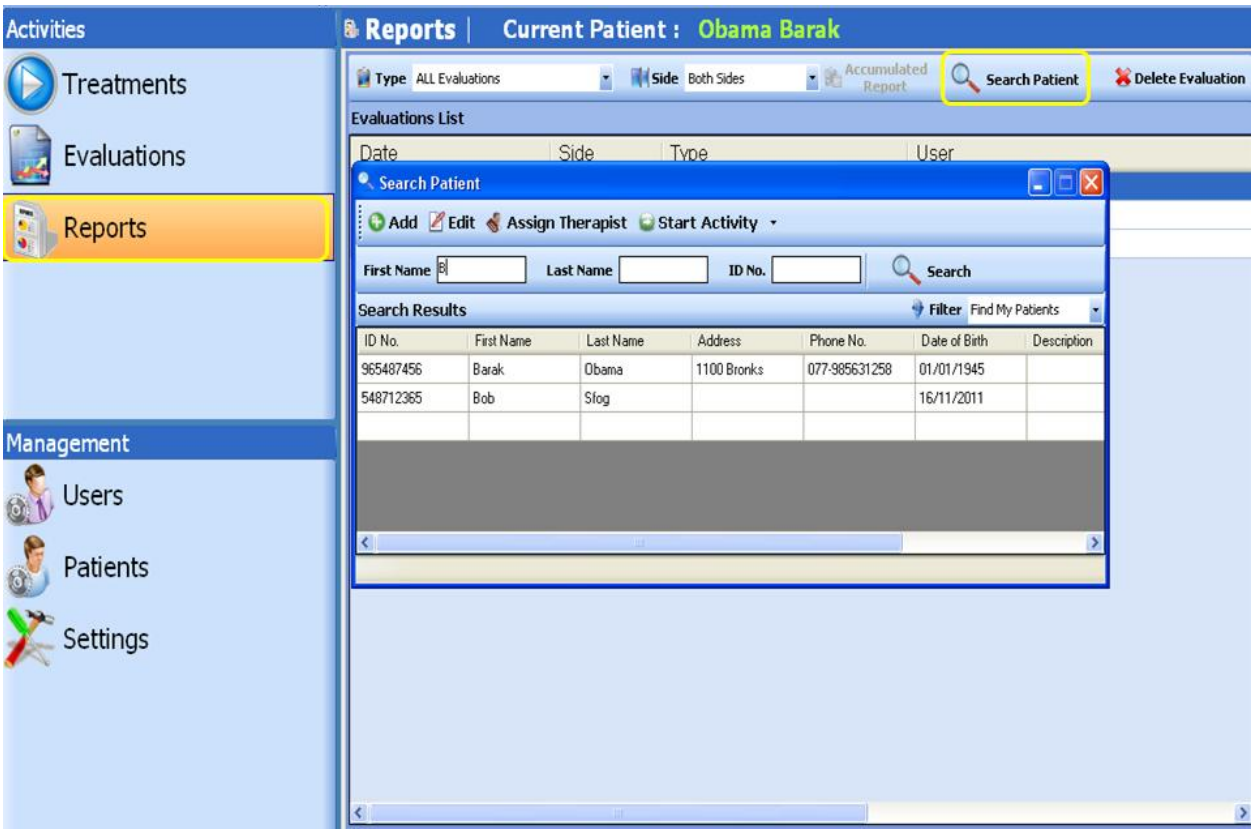


Search Patient's Reports

The system allows searching quickly a patient's reports.

To search patient's reports follows instructions:

1- Go to **Reports**
2- Press **Search**
3- **Search Patient** window will appear
4- **Choose** your patient
5- Press **double click** on your patient
6- Press **Yes**
7- Results will appear in **Evaluations List**


Activities
Treatments
Evaluations
Reports
Management
Users
Patients
Settings
Reports | Current Patient : Obama Barak
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Delete Evaluation
Evaluations List
Date
Side
Type
User
Search Patient
Add
Edit
Assign Therapist
Start Activity
First Name
Last Name
ID No.
Search
Search Results
Filter
Find My Patients
ID No.
First Name
Last Name
Address
Phone No.
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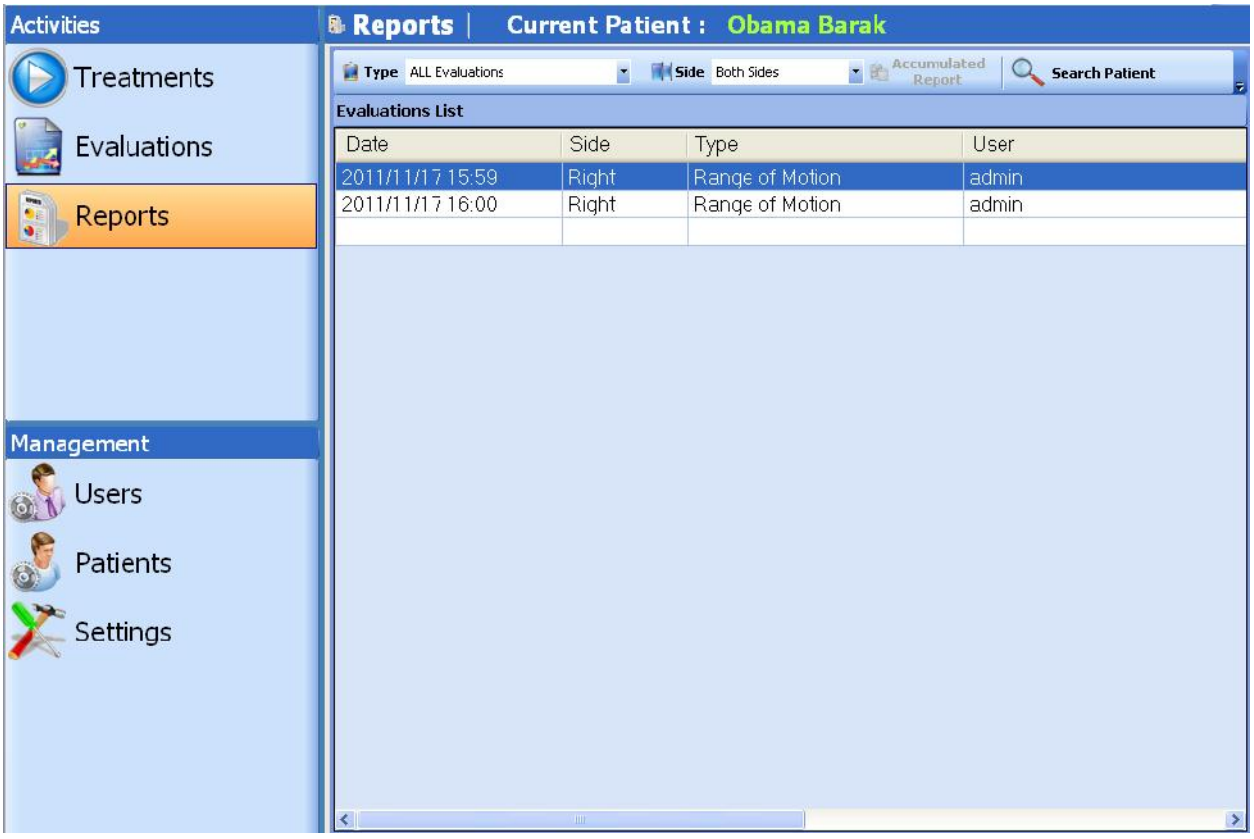
Activities
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Management
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Patients
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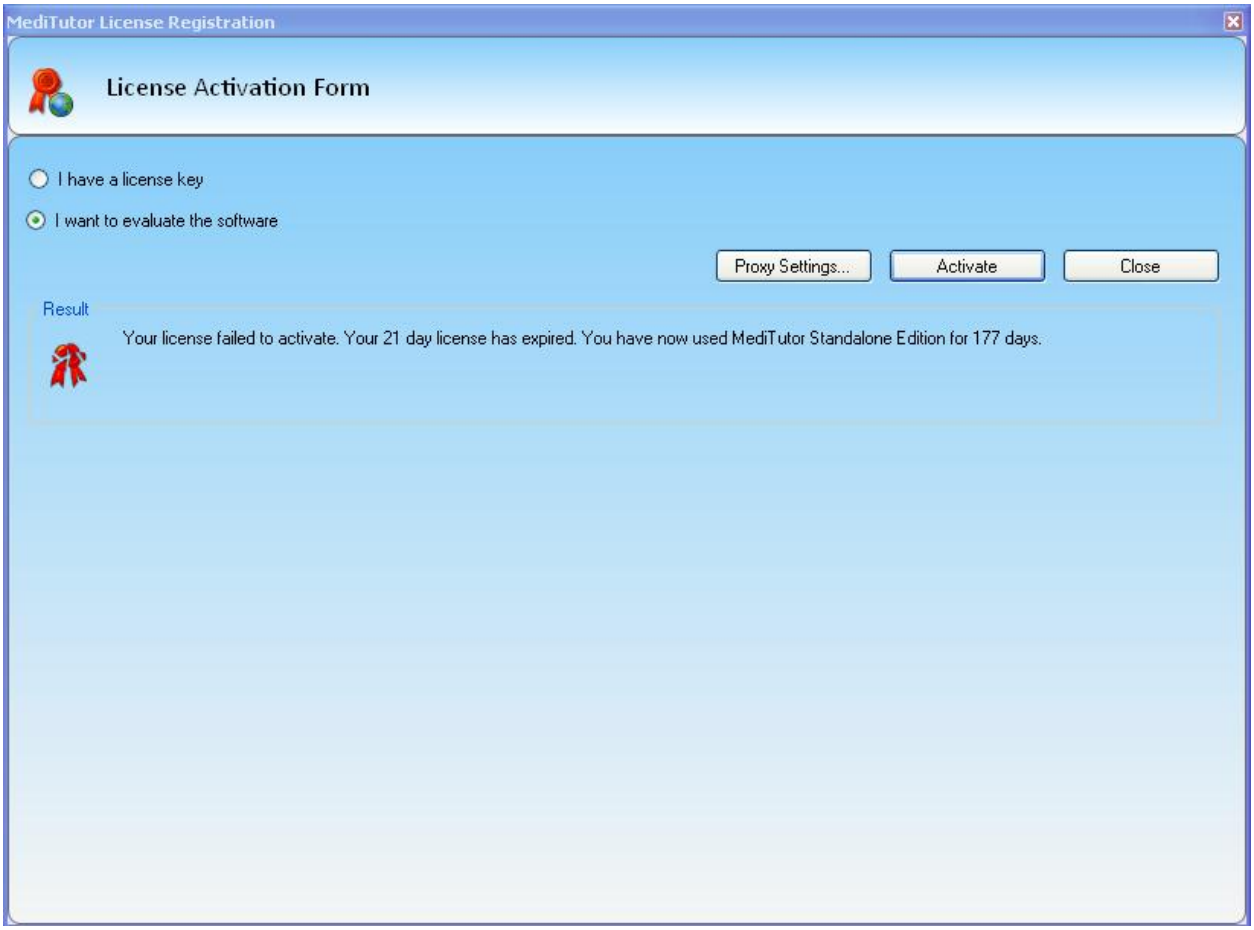
Reports | Current Patient : Obama Barak
Type ALL Evaluations
Side Both Sides
Accumulated Report
Search Patient
Evaluations List
Date
Side
Type
User
2011/11/17 15:59
Right
Range of Motion
admin
2011/11/17 16:00
Right
Range of Motion
admin

TROUBLESHOOTING

Licensing

Your License failed to activate. Your 21 days license has expired


MediTutor License Registration
License Activation Form
I have a license key
I want to evaluate the software
Proxy Settings...
Activate
Close
Result
Your license failed to activate. Your 21 day license has expired. You have now used MediTutor Standalone Edition for 177 days.

Solution:

Contact MediTouch support and request valid activation key.

The [device name] is not supported with the current license

Error
Error CodeC03004
The HT100 is not supported with the current license.
For more information please contact your vendor.
OK

Solution:

Insert valid activation key related to your device.

Users

User name already exist

Solution:

Enter unique user name.

You must type at least 7 characters

Solution:

Enter at least 7 numbers.

ID number already in Database

Solution:

Enter unique id number

Patients

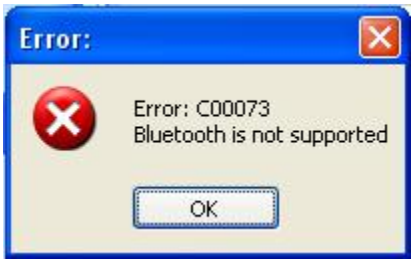
This patient already exist

Solution:

Enter unique ID number

Settings

Bluetooth is not supported



Solution:

Connect the Bluetooth dongle and verify the Search button enable.

Treatments

Device is not connected

Solution:

Connect the device, calibrate it and run the treatment.

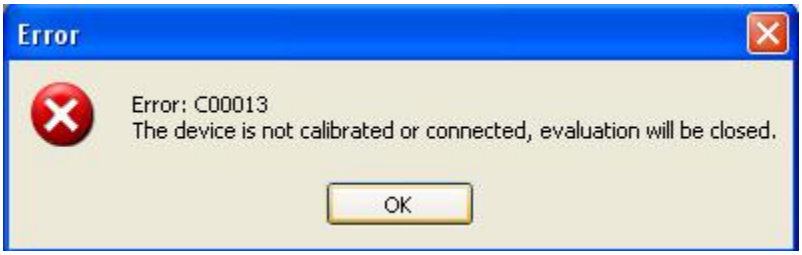
Evaluations

Device is not calibrated

Solution:

Calibrate the device and run the treatment.

The device is not calibrated or connected



Solution:

Connect the device, calibrate it and run the evaluation.

There are not enough treatment records for an accumulated report

Solution:

Save at least two evaluations from the same type.

UNINSTALLATION

How to uninstall MediTutor

1- Go to **Start** > **All programs** > **MediTutor**

2- Press on **Uninstall** MediTutor

Or

1- Open from **Control Panel** > **Add or Remove Programs**

2- Choose **MediTutor v.5** and press **Remove**